The National

Future Farmer

December – January, 1973-74

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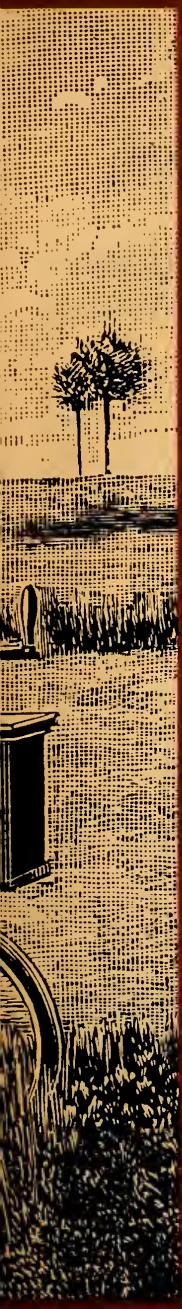
Internation



What have we done for you lately?

After 5 million tractors and more than 70 years of putting power in the hands of the farmer, we're still asking ourselves that question.

It was back in 1900 that we introduced one of the first sources of farm power that didn't run on hay—the then quite incredible "Auto Mower." This funny looking, but functional contraption even won a prize at the World's Fair in Paris.

We've come a long way since the "Auto Mower" gave us our head-start. And we're not about to give up our pioneering approach. That's why, since 1954 we've received more farm equipment patents than any other manufacturer in the world: More than 1,400. Including such recent major breakthroughs as the revolutionary Cyclo® Planter with only three moving parts. And the exclusive, infinite speed Hydrostatic tractor. Plus thousands of new and helpful features, innovations and refinements.

In fact, in 1972 alone, International Harvester received 70 new patents. (The nearest competitor, only 47.) That means that in 1974 and '75 your IH dealer will be showing the newest and most advanced farm equipment you can buy.

So watch for our new products and see why International Harvester says "We build better machines for the business of farming."

INTERNATIONAL HARVESTER

l Harvester

We build better machines for the business of farming

The National
Future Farmer

VOLUME 22 NUMBER 2 DECEMBER-JANUARY, 1973-74

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Our Cover

Range cattle welcome a pound or two of cake, especially following a snowfall. Don Kirkbride, a former state president, is feeding a replacement herd of yearling heifers on his family's southeastern Wyoming ranch. Dan, a member of the Albin Chapter guided by Advisor Jack Humphrey, has won district, regional, and state public speaking contests and state judging honors in poultry, agronomy, and livestock.

Photo by Floyd Cashmon

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46th the Greatest!

BEST convention ever—if we measure it by the attendance. It rates tops in another way, too. That is in the behavior of the FFA members who were there. The ladies at registration, the policeman on the beat, clerks in downtown stores—all were complimentary of the fine young men and women who had come to town and who responded to even small courtesies with a "thank you."

But, the full significance and meaning of the convention cannot be measured in terms of the attendance or behavior. It goes much deeper than that. It is found in things like the motivation and inspiration received by the FFA members who were there—and their advisors, too. It is found in the experience of being part of the convention, of working hard to earn money for the trip, or to earn an award. It is found in the importance of bringing together thousands of youth who will have an important role in producing food for this nation.

It is at the National FFA Convention that some of FFA's finest come together.

Let's make the 47th even better!

FFA Staff Honored

Two staff members at the National FFA Center received well-deserved recognition at the convention when they were awarded the Honorary American Farmer degree.

Mrs. Irene Shafer, top photo, has worked for FFA most of her career as secretary to the National Executive Secretary. Bob Seefeldt, manager of Contests and Awards, has made a significant contribution to expand and improve the incentive program of providing recognition to deserving FFA members.

Wilson Carnes, **Editor**

SIX REASONS WHY YOU SHOULD PUT FIRESTONE STEEL RADIAL 500 TIRES ON YOUR CAR VERY SOON.

1 **They will put steel between you and tire trouble.** Two strong belts of brass plated high tensile steel cord are under the tread to stand up to chuckholes, curbs and roadjunk.

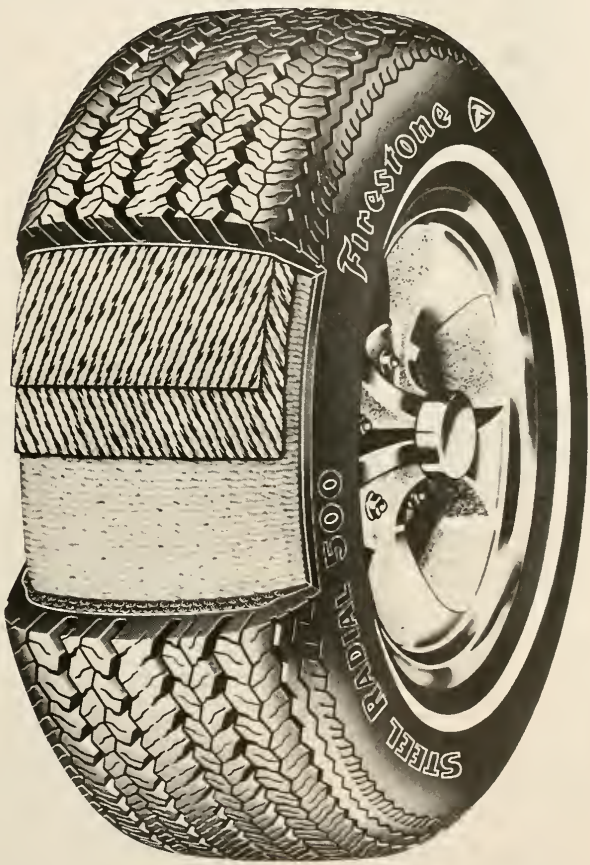
2 **They are guaranteed for 40,000 miles.** When you think most people drive about 12,000 miles a year, imagine how long these tires should last.

3 **They'll give you better handling and steering than any conventional tire we have on the road today.** The steel belts stabilize the tread, help hold it to the road to deliver better handling and better cornering.

4 **They are the quiet radials.** Compare the radials—you'll find Firestone has a computer designed, logarithmic tread pattern specially designed for quiet running and quiet cornering.

5 **Firestone gives you 7 days to test the ride.** If you're looking for a smooth-riding radial, read our offer below.

6 **We'll help you out when it comes to paying for them.** Your Firestone Revolving Charge, Master Charge, BankAmericard, Carte Blanche, Diners Club and American Express Card are good at most Firestone Dealers and stores.

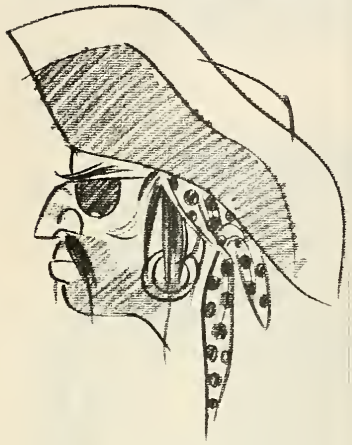


OUR 40,000 MILE GUARANTEE
The Steel Radial 500 by Firestone is guaranteed to give you 40,000 miles of treadwear in normal passenger use on the same car. If it doesn't, take your guarantee to any Firestone Store or participating Dealer. He'll replace the tire with a new one and give you credit for the mileage not received based on the then current adjustment price (approximate national average selling price) plus Federal Excise Tax. A small service charge may be added.

OUR 7 DAY TEST RIDE
Trade in your old tires on a set of Firestone Steel Radial 500's at any Firestone Store or participating Dealer. Drive on them for seven days. If you don't like the way they handle—or ride—return them within seven days and they'll put your old tires on again and refund your money in full.

Firestone
The people tire people

Over $5,000 in prizes
Awarded Monthly



Draw the Pirate

Let the Pirate help you test your talent. You may win one of five $845.00 Commercial Art Scholarships or any one of seventy-five $10.00 cash prizes.

Draw the Pirate any size except like a tracing. Use pencil. Every qualified entrant receives a free professional estimate of his art talent.

Each winner receives a two year scholarship in commercial art taught by Art Instruction Schools, Inc., one of America's leading home study art schools.

Try for an art scholarship that may lead you into the exciting fields of advertising art and illustrating, cartooning or painting. Your entry will be judged in the month received but not later than January 31, 1974. Prizes awarded for best drawings of various subjects received from qualified entrants age 14 and over. One $25 cash award for the best drawing from entrants age 12 and 13. No drawings can be returned. Our students and professional artists not eligible. Contest winners will be notified. Send your entry today.

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Please enter my drawing in your monthly contest. (PLEASE PRINT)

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Occupation_____ Age_____

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County_____ Zip Code_____

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Accredited by the Accrediting Commission of the National Home Study Council.

Looking Ahead

Livestock

MEAT LABELING UNVEILED—A standardized meat identification/labeling system is being coordinated by the National Live Stock and Meat Board, according to President David Stroud of the Meat Board. The program promises to benefit the marketeer as well as the consumer and reduce confusion in cuts of beef, pork, and lamb. Each label will specify the species of meat, the primal area (wholesale cut), and the retail name. The number of various cuts has been reduced from over 1,000 to about 300.

CONFINEMENT FEEDING OUTLOOK—By 1980 between 75 and 80 percent of the beef cattle in the Corn Belt will be fed under confinement conditions, predicts Vice President Gerald Frankl of the Iowa Beef Processors. Reasons: Confinement takes less land, makes it easier to handle cattle, results in lower death losses, and improves feeding efficiency.

Crops

EXPORT CONTROLS POSSIBLE—If the United States continues to export corn and wheat at current rates embargos will be placed on grain exports by next October predicts Dr. Louis Thompson, an Iowa State University agricultural expert. World grain stocks are expected to be down by 10 percent next year as a tight food supply develops in many parts of the globe. U.S. production currently accounts for half the world's corn, two-thirds of the world's soybeans, but only 15 percent of the world's wheat. Yet U.S. wheat exports are already the largest in the world, American soybeans make up 90 percent of the world bean trade, and corn exports by the U.S. rose some 50 percent since a year ago.

IRRIGATES FIELD CORNERS—A new center pivot irrigation system which will allow economical coverage of the corner areas has been introduced by Valmont Industries, Inc. The basic design uses a flexible extension arm which gradually moves outward into the corners of a field as programmed with the operator's controls. The unit is electrically powered but can be adapted to oil and water driven systems.

Agribusiness

SUPPLY PRICES VARY—Prices for all plant food products will move to higher levels in 1974 as short supplies continue, reports Vice President of Merchandising Ross Gilfillan of FS Services, Inc. The cost for farm chemicals will remain about the same, but prices for products containing steel, iron castings, petroleum derivatives, and anti-freeze will strengthen due to short supply. Prices for feed supplements are expected to be somewhat lower as sufficient ingredients become available.

FARM EQUIPMENT NEEDED—The strong demand for farm equipment is expected to continue next year according to outlook statements prepared by the Farm and Industrial Equipment Institute. In fact, 1974 agricultural equipment sales could top this year's high as some manufacturers predict sales increases of as much as 10 percent. Customers can expect some delays in delivery despite production increases of 15 percent by some firms.

TIRE SALES SPIRAL—American farmers will spend more than $200 million on 3.3 million new replacement tires for tractors, wagons, combines, and other farm vehicles by the end of 1973, say economists of The Goodyear Tire & Rubber Company. With further expected increases in acreage planted next year record farm tire sales will continue through 1974.

Lakshmi Vora averages 30 miles a day with a computerized 400-cubic-inch V8.

About 12,000 miles from her native Bombay, Lakshmi's computerized V8 engine puts on mileage to assist in GM's continuing emissions research.

Lakshmi, who has a Master's Degree in Electrical Engineering, is responsible for programming a computer to simulate various driving conditions on a dynamometer. So "test-driving" can be done right in Test Cell One of the GM Research Laboratories at the Tech Center in Warren, Michigan. Thus, she provides a flexible research tool to study complex engine dynamics.

When "Lucky" leaves the V8 behind, she likes to relax by golfing, bicycling, or swimming. Or, indoors, playing bridge or playing the veena, a musical instrument similar to the sitar.

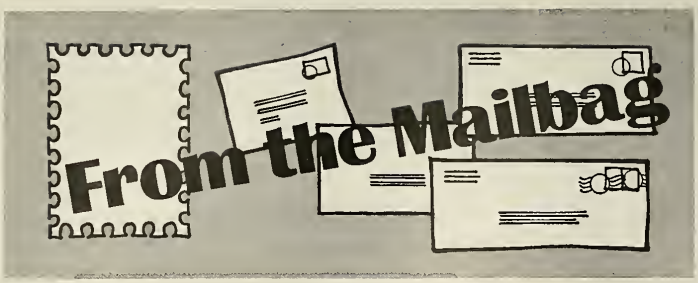
This talented engineer is one of eight thousand three hundred employees working with computers at GM today . . . constantly discovering new computer applications and programs. Such activity has caused the number of computer information systems at GM to grow from 30 to 500 since 1959.

Lakshmi Vora is a beautiful example of the kind of interesting people working at GM to improve the quality of living and driving for us all.

GM
MARK OF EXCELLENCE

General Motors

Interesting people doing interesting things.



Fillmore, California

Thank you very much for the very prompt and efficient service we have received on our last two orders to your company.

It seems that in the past the only times I have written to the FFA Supply Service is to complain about something, so this time I wish to thank you for rushing orders to us when it was so very important that we get certain supplies by a certain date. It is so easy to criticize, especially when the problem arose with my ordering things too late.

Richard Mosbarger
Advisor

Kansas City, Missouri

On a recent visit to Murray State University, Murray, Kentucky, to attend the 20th National Conservation Education Association's conference, I was very pleasantly exposed to services of the Kentucky FFA Association.

Through its participation in BOAC, the FFA was assisting in this conference by providing personal assistance to participants. They had prepared a fact sheet of telephone numbers and other needed details for our use and were available in person to assist all of the participants in this conference in any way possible.

Being a former school administrator I have long been aware of the FFA and its activities and was once again reminded through this activity of the many fine things the FFA organization is doing.

James B. Tumy
Regional Program Officer
U.S. Office of Education

Sandpoint, Idaho

In the August-September, issue of *The National FUTURE FARMER* is an article on loans for FFA members from the Farm Home Administration. Recently a member of our chapter received a loan from FHA in the amount of $6,000. I believe this is the type of information that you publish in the Chapter Scoop. So, if you are interested in using this information, it could be written possibly like this:

Brian Dockins, a Greenhand in the Sandpoint, Idaho, Chapter, recently received a loan of $6,000 for the investment of swine and beef cattle from Farmers Home Administration.

Thomas A. Woodland
Secretary

Golden, Colorado

I was delighted to find a copy of *The National FUTURE FARMER* magazine in my mailbox.

Our school is one of two urban high schools in the Denver Metropolitan area offering a vocational agriculture program. The chapter is in its second year of operation.

We have a fine group of young people in our FFA chapter and I am confident that you will be hearing of its excellence in the future.

Herb Cochrane
Assistant Principal

Clovis, New Mexico

Our chapter was extremely pleased to see the article and picture concerning our members' feeder cattle project in the April-May issue.

We make a point of seeing that "key" people in the community receive a copy of *The National FUTURE FARMER* so the article's appearance therein was naturally well received here.

John Meador
Reporter

Gonzales, Florida

On August 6 and 7 the Tate Chapter held the first annual Chapter Officers Leadership School at the St. Regis Paper Company's Crosby Pasture, in Baldwin County, Alabama. The officers and advisors stopped their classes after lunch to spend the afternoon on the man-made lakes for fishing for bass, bream, and catfish.

There wasn't much luck between the six officers and two advisors but we all had a lot of fun. The "big catch" trophy was appropriately awarded to Alan Deason whose catch pulled his reel into the lake. The officers and advisors also planned the chapter program of work for the year.

John Helton
Reporter

Troy, Missouri

Enclosed is a newspaper article telling how we had fun on the Fourth of July and how we enjoy doing one thing on the farm which is building up tractors.

We enjoy many other things on the farm, namely, raising crops, growing a vegetable garden and an orchard, and raising chickens.

We enjoy selling on the road such items as fruit, strawberries and tomatoes. Our little sister helps, too, especially with the selling. And we take part-time jobs.

I am sending this to you in hope that you will use this as a news article in *The National FUTURE FARMER* magazine. I have not been able to find any news concerning the Troy, Missouri, Chapter and I think this would be an interesting article. My brother, John, and I go to Buchanan High School in Troy. My brother, Joseph, is in junior high (eighth grade this next school year) and my sister, Mary, will be in fourth grade. Mary typed this letter.

We have fun working together and are looking forward to building a greenhouse, digging a lake (we built a small lake last year on which we went ice skating), and building novel machinery for the next Fourth of July parade.

Hope you use this as an article.

Michael Kleine

New Sponsoring Chairman Named

1974 Chairman Robert L. Walston

ROBERT L. Walston, vice president and manager of marketing and a member of the board of directors of Funk Seeds International of Bloomington, Illinois, has been named to serve as the 1974 Chairman of the FFA Foundation Sponsoring Committee. Mr. Walston succeeds A. Malcolm McVie, president of Elanco Products Company, a division of Eli Lilly and Company, of Indianapolis, Indiana.

The FFA Foundation provides funds for incentive awards to encourage higher achievement by students of vocational agribusiness who are members of the FFA. A goal of $554,000 has been set for 1974. As chairman of the Sponsoring Committee, Mr. Walston's primary responsibility will be to organize and coordinate an effort to contact potential FFA Foundation sponsors during the coming year. At the present time nearly 700 business and industrial companies, organizations, and individuals make annual contributions to support the FFA Foundation program.

Assisting the chairman will be chairman elect for 1975 Ed Carter, executive vice president of the Firestone Tire and Rubber Company, Akron, Ohio, and chairman elect for 1976 Robert Engle, assistant general manager of AVCO-New Idea Farm Equipment Division, Coldwater, Ohio. As retiring chairman, Mr. McVie will continue to serve on the Foundation Sponsoring Committee Executive Council for one more year.

The Air Force offers a 30-day paid vacation in your first year—and that's only the beginning. The benefits start the second you start with us. Benefits that make your starting salary worth much, much more.

Like free dental and medical care. Money-saving buys at our commissaries and exchanges. Wide-open opportunities to continue your education—for free. Low-cost travel on commercial airlines, or free on Air Force planes that happen to be going your way. Free food, clothing and housing. And no worries about business setbacks that could eliminate your job. As for your job...

You choose it—and if it's available, we guarantee it before you sign up! What are you most interested in? Mechanics? Medical? Electronics? We have all these and many more.

We'll train you. And pay you while you learn.

You'll wind up with a rewarding job. With real responsibilities. With skill and experience that civilian employers prize.

Want more reasons to join? You can get them all, right down to the nitty-gritty, if you contact your local Air Force Recruiter. Or call 800-447-4700, toll free (in Illinois call 800-322-4400). Or just send in the coupon.

And start planning those 30-day paid vacations.

Air Force Opportunities, Box A
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1-NF-123

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(Please Print)

High School _____

Address _____

City _____

State _____ Zip _____

Soc. Sec. # _____ Age _____

Find yourself in the Air Force.

If nobody's offered you a job with a 30-day paid vacation, read this.

Color Photos Ted Amick, National Grange

Star Farmer William Sparrow, left, along with Jack Rose and Steven Redgate, winners of the Star Agribusinessman award, were honored during the moving "Stars Over America" pageant.

This year for the first time the National FFA Band played a 45-minute noontime concert at the new Crown Center Square.

The 46th National Convention opened according to tradition with the Posting of the Colors, singing of the National Anthem by the National FFA Chorus, and the Pledge of Allegiance.

46th National FFA Convention

Draws Record Attendance

RECORD registration figures reflected the enthusiasm of FFA members attending the 46th National FFA Convention at the Municipal Auditorium in Kansas City. The 1973 convention, held October 16-19, drew a record attendance of over 15,000 FFA members and guests.

The convention program emphasized the 1974 FFA WEEK theme of preparing youth "For tomorrow's agriculture." Under the leadership of National FFA President Dwight Seegmiller, of Decorah, Iowa, FFA members participated in a convention program that included outstanding guest speakers, national FFA organization business, and the presentation of national FFA awards. Prior to the convention the six National Officers conducted an inspiring vesper service.

Among the speakers to address the convention audience were Alabama Governor George Wallace; the President's daughter Julie Nixon Eisenhower; Congressmen Billy Gunter of Florida and Jerry Litton of Missouri, both former national FFA officers; Air Force Colonel James Bean, a Vietnam prisoner of war and past president of the Kentucky FFA Association; and Director of the FBI Clarence Kelley.

A record number of 564 FFA members received the American Farmer degree, the highest degree awarded by the FFA organization. From this select group judges named William Sparrow, a 22-year-old crop and livestock farmer from Unadilla, Georgia, as Star Farmer of America for the FFA's top award for a young man preparing for a career in farming.

Also selected from the degree recipients were two young men named for the Star Agribusinessman of America award as the result of a tie vote by the judges. They were Jack Rose, a 21-year-old hay contractor from Elko, Nevada, and Steven Redgate, a 21-year-old farm supplier from Waynoka, Oklahoma. The tie for Star Agribusinessman was unprecedented in the five years since the award was established to recognize the top vocational agriculture student preparing for a career in the businesses that support farmers.

Neil Bowman, an 18-year-old FFA member from Yuma, Arizona, won the National FFA Public Speaking Contest. Neil won over three other participants speaking on the subject "I'm Proud to Be a Future Farmer." He was presented a $300 award for his winning speech while the second, third, and fourth place winners received

(Continued on Next Page)

With the stage set, the 115 delegates conducted the official FFA business.

Governor Wallace, a former FFA member, received the Honorary American Farmer degree from President Dwight.

Draws Record Attendance

(Continued from Page 11)

$275, $250, and $225 respectively.

Regional and national winners in FFA Proficiency award programs were recognized at the convention with a special slide program. National awards were presented to members who had demonstrated exceptional proficiency in 15 areas of agricultural production and agribusiness.

The National Citation in the Building Our American Communities (BOAC) program was presented to the Bloomer FFA Chapter of Wisconsin. All totalled 452 chapters were recognized for their work in the BOAC, National Chapter, and Chapter Safety programs.

Many adults were recognized by the FFA throughout the convention. Distinguished Service Awards, Honorary American Farmer degrees, and VIP Citations were given to 178 teachers, government officials, and businessmen for outstanding leadership and service to the FFA organization. Sponsors to the National FFA Foundation were also recognized in the convention hall. The 1974 Sponsoring Committee Chairman Robert L. Walston announced a Foundation goal of $554,000 in 1974.

While most of the conventioneers were attending the main program in the auditorium or visiting exhibits in the Agricultural Career Show, a total of 239 three-member teams were competing in national contests in livestock, poultry, dairy cattle, milk quality and dairy foods, agricultural mechanics, and meats.

Adding beauty to the convention program were several young ladies reigning as queens of agriculture related organizations. These included Miss Teenage America Betty Ann Nightingale, of Maine; Miss AIC Wanda Nearhood, of South Dakota; the National Grange Princess Joan Hartung, of New Jersey; and Miss Rural Electrification Susan Howard, of Texas. A new queen of the American Royal, Jan Salmons, of Hanston, Kansas, was named from candidates submitted by state FFA associations.

In business sessions held during the convention the 115 FFA member delegates defeated a proposed amendment to the constitution that would have changed the name of the highest FFA degree from "American Farmer Degree" to the "American FFA Degree." An amendment to the constitution which passed involved changing some qualifications for the FFA Greenhand degree to make it more relevant to

A recipient of the VIP Citation was FFA Photographer Arch Hardy.

"Gunsmoke's" Festus appeared at the convention and the American Royal FFA Day.

The American Farmer degree, the highest attainable in the FFA, was conferred upon a record 564 outstanding members during a special convention ceremony.

Tops in Contests

Winners of the National Contests were honored at award breakfasts.

The following teams and individuals were presented first place trophies in the corresponding National FFA Contests. Sponsors of the contests funded as special projects of the National FFA Foundation are noted in parenthesis.

Agricultural Mechanics: Top Team—Worthington, Minnesota. Top Individual—Ted Colflesh, Delaware, Ohio. (Sponsored by The Firestone Tire and Rubber Company)

Dairy Cattle: Top Team—Kuna, Idaho. Top Individual—Randy Clark, Quarryville, Pennsylvania. (Co-sponsored by Associated Milk Producers and Mid-America Dairymen)

Livestock: Top Team—Newkirk, Oklahoma. Top Individual—Ron Knopp, Fort Morgan, Colorado. (Sponsored by Ralston Purina Company)

Meats: Top Team—Mason, Texas. Top Individual—Rod Zimmerman, Mason, Texas.

Milk Quality and Dairy Foods: Top Team—Santa Maria, California. Top Individual—Joan Lewotsky, Santa Maria, California. (Co-sponsored by Associated Milk Producers and Mid-America Dairymen)

Poultry: Top Team—Lincoln, Arkansas. Top Individual—Curtis Mills, Denver, Indiana.

President Dwight poses with National Public Speakers Bradley Durst, Amboy, West Virginia, fourth; Bob Meyer, Loyal, Wisconsin, third; Tom Stribling, Sulfur Springs, Texas, second; and Neil Bowman, Yuma, Arizona, first.

Mr. Vincent McEwan of the British Embassy also spoke.

Leaders of other national youth groups brought warm greetings.

current vocational agriculture programs. A proposal to alter wording in portions of the FFA opening and closing ceremonies was not considered.

Throughout the week the 120-member National FFA Band and the 99-member National FFA Chorus provided musical entertainment. These musical units are recruited by mail and never play or sing together before arriving in Kansas City. FFA talent from all across the nation also performed during the week.

Following the recommendation of the nominating committee, the national FFA delegates elected National Officers for the year ahead from 31 highly qualified candidates.

The final session of the 46th National Convention featured the recognition of outgoing officers and the installation of new National Officers. Special entertainment provided by the Firestone Tire and Rubber Company followed the closing ceremony.

FFA representatives, Kansas City dignitaries, and the American Royal Queen watched the National FFA Band march in the opening day American Royal Parade.

Assistant to the Secretary of Agriculture Herb Plambeck presented the BOAC Citation to the Bloomer Chapter.

Winners in Proficiency

Different judges interviewed FFA members in each proficiency area.

The National Proficiency winners listed here were selected by panels of judges from a field of four regional winners in each of the 15 proficiency areas. National winners of the sponsored project areas receive $500 and unsponsored winners receive $250. Sponsors of the proficiency special projects in cooperation with the National FFA Foundation are noted in parenthesis.

Agriculture Electrification: Curtis Massey, Coffee Springs, Alabama. (Sponsored by the Electric Energy Association)

Agricultural Mechanics: James Anderson, St. Vrain Valley at Longmont, Colorado. (Sponsored by International Harvester Company)

Agricultural Processing: Scott Bethell, Rockridge at Andalusia, Illinois.

Agricultural Sales and/or Service: Bryce Westlake, Wind River at Kinnear, Wyoming. (Sponsored by Allis-Chalmers Corporation)

Crop Production: Jerry Moore, Northland at Osage, Iowa. (Sponsored by The Producers of Funk's G-Hybrids)

Dairy Production: Allan Brisson, Middlebury at Shoreham, Vermont. (Sponsored by the Celanese Chemical Company)

Fish and Wildlife Management: Ronald Frelich, Denmark at Maribel, Wisconsin.

Forest Management: Wick Coleman, C. T. Smith at Ruther Glen, Virginia.

Home Improvement: Jim Collins, Hopkins, Missouri.

Livestock Production: Michael Kendall, Emmett, Idaho.

Ornamental Horticulture: Rene Van Wingerden, Carpinteria, California.

Outdoor Recreation: Ted Allen, Ontario, Oregon.

Placement in Agricultural Production: Rafael Encinas, East Nicolaus at Rio Oso, California.

Poultry Production: Anthony Wells, Sylvania at Rainsville, Alabama.

Soil and Water Management: Roy Haines, Stone at Wiggins, Mississippi. (Sponsored by Ford Motor Company Fund)

Your Officers For 1973-74

THE new National FFA Officers for 1973-74 began their year of service by conducting the closing ceremonies of the final session at the 46th National FFA Convention. So you can get acquainted with your elected leaders a biographical sketch on their past accomplishments is provided here.

National President. G. Mark Mayfield is a 20-year-old agribusinessman from Caney, Kansas, and has worked with the Mayfield Construction Company throughout his years in vocational agriculture. He has done all types of work related to the installation of scales and elevator machinery including carpentry and concrete work, welding, and operating heavy equipment. Besides his agribusiness experience, Mark has a herd of crossbred beef cows and calves, half interest in a registered bull, and a registered Quarterhorse.

Mark, a member of the Caney Valley Chapter, took an active role in FFA by serving two terms as chapter president and later as president of the Kansas Association. He was also an FFA representative on the President's White House Conference on Youth.

An active leader in high school, Mark was a class officer, a bandsman, and school photographer. He has been recognized by the National Honor Society and by Who's Who Among American High School Students. Now a Junior at Kansas State University, Mark is studying agricultural education and plans to teach vocational agriculture.

National Secretary. Frederick McClure, 19, hails from San Augustine, Texas, where he has established a herd of beef cattle while studying vocational agriculture. Fred previously served in the FFA as chapter, district, and area president before being elected president of the Texas Association.

For his leadership in school Fred was honored in Who's Who Among American High School Students. Fred, the salutatorian of his class, served on the Governor's Conference on Vocational Technical Education, the Governor's Manpower Planning Committee, and as counselor for the Washington, D. C. Government-in-Action Youth Tour.

Noted for his musical talents, Fred accompanied and sang in the National FFA Chorus, was a drum major for the National FFA Band, and twice sang the National Anthem at the National FFA Convention. Fred is a Freshman biochemistry major at Texas A&M University and is interested in a medicine or an agricultural research career.

Central Vice President. Keith Mohler, of Mulberry, Indiana, is a member of the Rossville FFA Chapter. Keith, 19, was active in the FFA as chapter president, chapter secretary, and president of the state association.

Keith grew up on a 400-acre farm where he started a farming program of four gilts, corn, soybeans, and cucumbers. However, he changed his career emphasis to agronomy and plant breeding, taking a job with a nearby tomato research farm. Keith later accepted a job with the Purdue University AID research project.

In high school Keith was a member of the student council, served on the Indiana High School Legislative Assembly at the state level, and was a semi-finalist for a National Merit Scholarship. He is a member of the National Honor Society and is currently enrolled at Purdue University with plans of studying plant breeding.

North Atlantic Vice President. Doyle Waybright, a member of the Battlefield Chapter at Gettysburg, Pennsylvania, is the second generation of Waybrights to serve the FFA as a national officer. Richard Waybright, his father, was a member of the 1950-51 national team.

Active in the FFA Doyle held the office of state president in the Pennsylvania Association and was a winner of the state public speaking contest. He has been credited with helping initiate several new FFA programs in his home state and has served on the National Nominating Committee.

Doyle lives on 1,300-acre dairy farm and recently became a managing partner in the three-family dairy which milks about 475 cows. He plans to make farming his career and will continue to expand his percentage of ownership in the family farm corporation.

National Officers left to right are: Vice President Jay Phillips; Secretary Frederick McClure; Vice President Doyle Waybright; Vice President Keith Mohler; President Mark Mayfield; and Vice President Jimmy Alvarez.

Pacific Vice President. Jay Phillips, 19, of Springville, Utah, has a farming program consisting of some 30 sows, 3 herd boars, and a yearly feeding operation of 500 pigs on just two acres. Being the son of a vocational agriculture instructor, Jay began his enterprise with limited facilities, one steer, and seven sows.

In the FFA Jay served as chapter vice president, chapter president, and as secretary of his state association. He received the Utah Livestock Proficiency award, was runner-up to the State Star Farmer, and participated on several winning judging teams.

Jay presently attends Utah State University where he is a Junior studying food science technology. He plans to work towards an advanced degree in animal nutrition and eventually seek employment in the food industry.

Southern Vice President. Jimmy Alvarez, of Starke, Florida, is a 20-year-old member of the Bradford Sr. Chapter. Jimmy advanced from chapter vice president, to chapter president, to district president, and to president of the Florida Association. He won the Star Greenhand and Star Chapter Farmer awards and participated on the district winning parliamentary procedure team.

In high school Jimmy was president of the sophomore class and a junior leader in the National Horticulture Association. He was captain of the football team, on the student council, and in the Young Voters Organization. He is a member of the National Honor Society and has been recognized as an Outstanding Teenager of America and by the American Academy of Achievement.

Jimmy is developing a herd of beef cows and annually raises about 140,000 broilers. He owns one-third interest in 65 acres of timberland and pasture. Jimmy is currently majoring in agricultural education at Lake City Community College.

Many of the conversations between Art and Advisor Kelly deal with his highly valued half-blood Simmental cow (foreground).

With a beef breeding operation in mind, Art tatoos and registers his calves as soon as possible after they are born.

A Cow-Calf Operation—

No Matter What

An early start in raising beef cattle has led this member to begin an A.I. crossing program.

NINE years ago Art Struebing, of Central City, Nebraska, went to Salina, Kansas, and purchased a registered Hereford heifer with stamps collected through a feed company. The animal produced six heifers in a row and his herd was well underway. Art has since purchased five more head in the same manner.

Art entered vocational agriculture under Advisor Robert Kelly with five head of cattle and one ewe. "The amazing thing about Art is he built his whole program himself," says Advisor Kelly.

As a freshman in high school, Art took over the management of a 220-acre farm, rented by the family for 26 years, when his father became ill. His dad, who had switched from commercial cattle to purebred Polled Herefords, died in the fall of 1971. Most of the 60 head in the purebred herd were sold leaving Art with 25 head. He has since expanded his herd to 34 head and has begun cross breeding.

Through crossing Art has produced a half-blood Simmental cow valued at between $1,500 and $2,000. She is currently bred to produce a three-quarter Simmental calf. "I would like to do more artificial breeding and eventually develop a herd of Simmental cattle," states Art, who began his A.I. program with three Shorthorn-Simmental and a year ago purchased another Hereford-Simmental cross.

Although concentrating on herd growth, Art annually sells many breeding animals. Last year as a guest consignor Art sold ten yearlings—four bulls and six heifers—for an average of $370. In addition, he sold six bulls and several heifers to private parties throughout the year.

Showing his top quality livestock at the Merrick County Fair has netted Art two grand champion market steers, a champion lamb, and several showmanship and herdsmanship trophies. Moreover, his oldest half-blood Simmental was named grand champion crossbred heifer last year.

Art, a member of the American Junior Hereford and Polled Hereford Associations, built a small holding and sorting shed consisting of three stalls and a loading chute for handling his cattle. Special practices used by the cow operator include tatooing, registering, feeding breeder cakes, vaccinating for leptospirosis, and keeping production records.

Besides his beef enterprise Art managed a flock of 20 Hampshire ewes. This past year he had a 175 percent lamb crop and fed out 35 lambs. His sheep management includes feeding a worm block, spraying for ticks, and flushing ewes.

Art served the Central City FFA as vice president and as FFA representative on the student council. He, too, was voted as FFA king of the FFA-FHA sweetheart dance, and won both Star Greenhand and Chapter Farmer recognition.

Early this fall Art and his mother moved off the rented farm and sold all the machinery and the sheep. Art, however, kept his beef breeding stock.

"While in school I will board the cows on a 40-60 share basis," explains Art. "In this way I will be able to start in the cow-calf operation immediately after college." A recipient of a scholarship and a B-student. Art has begun majoring in animal science and agronomy at the University of Nebraska.

CAREER EXPLORATION

Use this systematic way of choosing a càreer to uncover all the facts.

By Dr. Joe P. Bail

WHAT shall I be? In seeking an answer to this question, you will be looking for the *facts* about particular vocations. Call it exploring a career—finding out all you can about any occupation in which you have an interest.

Your primary concern is to do this in a systematic way that will uncover all the facts. You will need to reveal not only the favorable, but the unfavorable aspects of the job.

Questions To Be Asked

What are the duties of the worker? Would you operate a machine, sell goods or products, manage a business, teach children, produce crops? There are thousands of jobs in the world of work, each with its own combination of duties. Many of these jobs are described in *The Occupational Outlook Handbook*. Ask your counselor or teacher about this excellent reference volume prepared by the United States Department of Labor.

What are the personal requirements for the occupation? Must I be of a certain age? Are there special physical requirements of vision, hearing, and strength? What interests do I have that will contribute to my satisfaction and success in the occupation? Do I need special abilities or skills? What personality traits are important?

What are the educational requirements? Are certain courses in high school recommended for people planning to enter this occupation? What post-high school education is required: trade school, college, technical institute, apprenticeship, or on-the-job training? How long will it take me to receive the necessary training and what will be the cost of getting the required education? Am I familiar with academic standards and admission requirements for entering college or a special school?

What are the other minimum requirements for entrance into the occupation? Must I have graduated from high school, trade school or technical institute, college? Is an entrance examination required? Is experience necessary? Do I need my own capital to get started? Is licensing or union membership required?

What are the advantages and disadvantages of the occupation? What are the hours and conditions of work? Will my earnings balance the training or educational expenses? Do earnings vary in different parts of the country? Is there a reasonable amount of security in the job? What are the opportunities for advancement? What satisfaction and joys does the occupation offer?

What is the present demand and the future outlook in the occupation? How many workers are employed locally, in the state, and in the nation? Is the present demand great, moderate, slight, or non-existent? What is the probable future demand? Are the jobs confined to certain areas of the country?

Where can I get additional information about the occupation? Do I know anyone I can talk to who is employed in this occupation? What reference books or occupational literature are available?

Finding The Answers

Start with the school guidance office. You should become familiar with the facilities and staff of the guidance department. In addition to attending the regular conferences and meetings with counselors, make it a habit to visit the guidance office to check the bulletin boards for employment announcements, brochures on job opportunities, and educational material. Most bulletins or brochures describing jobs, educational opportunities, and scholarships will be kept on active file. Find out from the person in charge how students may use the materials on hand and how to request additional material. If an open file is maintained, learn to use it properly. The guidance office is ready to serve you; make it work for you.

Check the school library. Most materials relating directly to jobs will probably be kept in the school guidance office. However, other useful information can be found in the library. Biographies and autobiographies detail experiences

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Taking time.

Jack Moran (on the right) and his cousin Jim Moran own adjacent farms near Manteno, Illinois where they collectively tend 1,200 acres of corn and soybeans. Plus they build grain bins with unique low-temperature electric dryers of a design pioneered by Jack. Sugar, the German Shepherd, is the heroine of a new children's book, *Sugar and Mr. Duck*, written by Jack's wife, Martha.

"The main thing in this farm game to me is time," says Jack. "You have to do things when it's time to do them and not be delayed. We spend all winter maintaining our equipment. In fact, we spend more time maintaining it than we do using it, because at the particular time we need it, it must go.

"I started using Champions when I was a kid. In 1936 we bought a Farmall tractor. I don't know if I became a mechanic with it or not, but it's the one I always took apart and played with for years. Today, Jim and I still put Champions in everything we tune, our gas-powered John Deere tractor, combine and our six grain trucks. I have the mechanic put Champions in my plane. When I replaced the plugs that came in both of our Chevy pickups with Champions, I could tell a difference. Champions just run better and a little smoother. I don't know if they last any longer, but I know they run just as long."

DEPENDABLE CHAMPION SPARK PLUGS

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Better plugs for everyone.

Career Exploration

(Continued from Page 16)

in many careers. The stories of real people's lives are often vivid and revealing. The school librarian will help you select such books. Books of fiction, adventure, and travel broaden your outlook and might suggest career opportunities you have never thought about. The library is truly a collection of the experiences of people in the world about us.

Consult with the school staff. Counselors, working closely with all teachers, probably will refer you frequently to specific teachers. If you are interested in agriculture, you will want to talk with your vocational agriculture teacher; if in food service, with the home economics teacher. Whatever your field of interest, you will usually find a faculty member who can help you. Cultivate the friendship of your teachers and get information and suggestions from them.

Talk with community resource people. Most adults are happy to discuss their work with young people. You should be prepared to ask specific questions instead of saying vaguely, "Tell me all about your job." Make an appointment so the person you want to see can be free to spend some time with you. The school counselor and teacher can suggest people for you to talk with.

Visit business and industrial concerns. Since many of you will stay in your present community, you should know about the local businesses and industries. In addition to discussing jobs with specific individuals, you will often find that a field trip, planned as a class activity, provides an overview of the total operation and answers questions about the variety of jobs, opportunity for advancement, and working conditions. These field trips may be part of a class program or be sponsored by civic and community organizations.

Confer within your home. Your parents, with the greatest interest in your choice of career, want you to be successful in all that you do—in school, in activities, and in the work you choose. Talk over your goals and aspirations with them. You may also want to talk with your minister, and if necessary, explore the many opportunities for financial assistance.

Double check career publications. Publications describing job opportunities must be looked at critically. There is much material. Many of these publications are attractive and give unbiased information. Some, however, paint a misleading picture of opportunity, high salary, and good working conditions. You will probably wish to ask your school counselor, teacher, or some other adult to help you in evaluating these publications. A few tips are presented here to help you select publications that meet desired standards.

——— Has the publication been issued by a responsible agency or organization?
——— Does the information apply to the majority of workers in this occupation?
——— Is the publication free of flowery words and phrases?
——— Is the publication accurate and up-to-date?
——— Does the publication tell where you may get additional information about the occupation?
——— Does the publication present both advantages and disadvantages of the job?

Find a career in a systematic way. The worksheet on this page will provide you with a systematic approach to seeking a vocation. Write out the answers to the sections you are sure of concerning a particular occupation. If in doubt of some data, go back to any of the sources mentioned for further help.

Your future will be determined by the amount of effort you put into finding the "right" career.

Worksheet for Studying an Occupation

Name of Occupation

_____

Duties of the Worker

_____
_____
_____
_____
_____
_____
_____
_____

Personal Requirements

Age range:_____ Sex:_____
Interests and abilities needed:_____
_____
_____
_____
_____
_____
Personality and physical requirements:
_____
_____
_____
_____

Educational Requirements

Recommended high school program:
_____
_____
_____
_____
_____
Post-high school education required or recommended (Trade school, college, technical institute, apprenticeship, on-the-job training):_____
_____
_____
Estimated length of time for education:
_____
Estimated cost of education:_____
Other information about education (Schools, admission standards):_____
_____
_____

Advantages and Disadvantages

(Earnings, hours, and conditions of work; security of employment; opportunity for advancement):

Advantages:_____
_____
_____
_____
_____
_____
Disadvantages:_____
_____
_____
_____
_____
_____
_____

Present Demand and Future Outlook

Number of workers: National_____
State_____Local_____
Present need for workers: Great_____
Moderate_____Slight_____
Probable future trend: Little change ___
Increasing need ___ Decreasing need___
Are jobs confined to certain areas?
Yes_____No_____

Entering the Occupation

Any special entrance requirements (Minimum education, entrance examinations, experience, capital, licensing, union membership):
_____
_____
_____
_____

Sources of Additional Information

(People, reference books, occupational pamphlets):
_____
_____
_____
_____
_____

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Picture yourself paying for food, clothing, rent, and other expenses on $307 a month. You'd be mighty low on pocket money.

But in today's Army, our starting salary of $307.20 a month before deductions goes a long way when you consider all the extras.

Your food, housing, medical and dental care are free. You can shop at post exchanges where your dollar buys a lot more than in civilian stores.

You can go to college while in the Army, and we'll pay 75 percent or more of your tuition.

You get superb job training that could cost you hundreds of dollars in civilian schools. And what other job gives you 30 days paid vacation every year?

Find out how we're making today's Army more worth your while. Send the card, or call 800-243-6000, toll free, anytime. In Connecticut, call 1-800-882-6500.

Today's Army

$307 a month isn't everything.

Swine Producers Learn First-Hand

The foresightedness of this chapter's advisor is benefiting the whole county.

Advisor Houston looks on while the other instructor leads a class discussion. Just through the door are the modern sow farrowing facilities.

The modern set-up permits Instructor Houston to expose students to practical swine waste handling methods.

Photos by Ron Miller

WEAKLEY County, Tennessee, is one of the top livestock producing counties in the state. To keep it that way a modern school farm is being developed to serve the five vocational agriculture departments within the county.

All of the departments—serving about 375 students a year—as well as the McKenzie State Area Vocational-Technical School needed facilities for training students and adults. Thus, a plan for providing livestock educational facilities at Dresden High School was worked out between the Weakley County Board of Education and later the votech school at McKenzie.

Mr. V. J. Shanklin, former advisor of the Dresden Chapter, has planned and managed the farm from the beginning. Since 1970 FFA members have constructed all the buildings and selected breeding animals for the farm. The modern facilities presently include a tool shed, a farrowing house, two weaning barns, a feeding floor, and a lagoon. A cattle barn is next on the list for construction.

Originally the Dresden Chapter leased a tractor and equipment to build fence and clear the land. The chapter invested over $800 in the program and the members provided all of the labor.

The chapter later purchased the machinery and arranged to exchange the old tractor for a new one each year at

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He Began Teaching as A Member!

Striving for a career as a vocational agriculture teacher, this FFA member is using every opportunity available.

Coaching the dairy judging team gave Larry, center, the opportunity he was looking for.

WHEN Larry McCroskey began vocational agriculture at Cabot, Arkansas, he actually began his career as a teacher of agricultural education. And although he didn't know it at the time he had found the opportunity that will eventually become his career.

As a Greenhand Larry participated in dairy judging and helped with the chapter cookout. He earned the Star Greenhand award and went on to serve as chapter sentinel.

As the years went by his FFA activities expanded. He received the chapter dairy award, Chapter Farmer degree, and State Farmer degree besides serving as chapter secretary and president. Larry chaired several committees including the judging activities, donkey basketball, and deer barbecue committees. He further continued to compete in dairy judging and participated on the parliamentary procedure team as secretary for two years.

During high school Larry's farm enterprise grew to eight registered Guernsey's and four registered Angus. He was also employed by a neighboring soybean farmer for operating field machinery, including tillage and harvesting equipment. His work on the home farm paid for the production expenses of his cattle.

But the turning point in Larry's life came when he asked Advisor Larry Robertson permission to help train the new dairy judging team last year. Larry asked because he could not be on the team since he participated in the National Dairy Judging contest the year before. "I thought I would like teaching," remembers Larry, "and coaching the dairy team helped me to realize this."

Larry may well have the key to success as an agricultural instructor with the attitude he has of "trying to lead others to making the right decisions."

Since this experience Larry has involved himself in many "instructing" activities. For example, as a senior he helped supervise freshman and sophomore metal shop classes and visited supervised farming programs with the advisor. "He already works with individuals like an agricultural instructor," says Advisor Robertson.

Participation on the parliamentary procedure team stimulated Larry to help coach the team which placed second in a district contest. He further served on the committee to select the chapter speaker and on the chapter constitution committee.

What motivates Larry? "If a student has a question I feel it's an obligation to try and help him," remarks Larry, a recently elected state vice president of the Arkansas Association. "I've always liked working with students, and I enjoy trying to lead others to the right decisions."

Advisor Robertson especially remembers the time when he and his wife had an emergency and Larry took over the handling of the chapter's open house. Larry worked with school teachers to make plans for citizens of the community to visit the agriculture shop," recalls Instructor Robertson. "He personally welcomed 300 citizens and coordinated the leaders of groups as they toured the shop." The open house included demonstrations at 12 areas in the shop.

"My religious life and my 4-H work have also influenced my career to the extent of working with young people," says Larry. The young leader has served as president of the General Cooperative Education Club, too.

Larry's first two years in college will "definitely" be at Arkansas State University's Beebe Branch concludes Larry. The school is near his home and all hours can be transferred to the university's four-year campus. Before Larry completes college and enters the vocational agriculture teaching profession, however, he will have the benefit of more FFA leadership experience as he fulfills his year as state officer.

Secretary Susan Hjelmstad types job quotations for Foreman Larry Molvig.

Carpentry work on creep feeders ordered special by farmers is done by Joe Leddige, left, and Ron Scheiner.

Running an Agribusiness

A unique business allows every chapter member the chance to become involved in agribusiness.

By Ron Miller

LEARNING about agribusiness at Central Valley, North Dakota, is an "education in disguise." Vocational agriculture students at the consolidated school, located between Buxton and Reynolds, like their unique way of gaining agribusiness experience and have involved the entire student body and the community in the process.

During the first semester vocational agriculture students study the types of businesses and careers in agribusiness. But in the second semester—instead of placing only a few students with local employers—the entire class organizes into a corporation known as Valiant Enterprises, Inc. The business involves the selling of stocks to students, teachers, administrative personnel, and local citizens, plus the operation of an agricultural business.

The idea originated from the agribusiness class, Advisor Lyle Rose, and the school administration. Throughout the semester Superintendent Dale Duggan assists the FFA members with accounting procedures and other teachers provide support as needed.

First the class decided on building a manufacturing business rather than a sales or service endeavor. Next they surveyed the community for possible products to produce in volume and elected an organizational leader and a business secretary.

Snowmobile trailers were found to be in great demand for winter use while picnic tables were in local demand during the summer. Their survey indicated salt and pepper shakers, name signs, bread boards, knife holders, bird houses, and car ramps would be good fill-in items. Many other items were rejected because of production factors, competition, cost, and price.

After deciding the company would be an open corporation, the FFA members made a projected operating budget which required $225 to fulfill. The class took out a small business loan for $25.00 and issued 200 shares of common stock for the remainder of the money. Each agribusiness student invested in at least five shares. Promotional material for the remaining stock was prepared and distributed. The remaining stocks were sold to other students, teachers, and citizens in the Reynolds and Buxton communities.

A mass stockholders meeting was held to elect a board of seven directors. The directors screened job applications from the agribusiness class and selected Larry Molvig as the student corporation manager. Since all employees of the corporation are vo-ag students, every member of the agribusiness class filled out a job application.

Each applicant received a personal interview which included a demonstration of their skills with the manager. The duties and responsibilities for each job were previously determined by the agribusiness class.

During the first week Larry and his foreman spent a lot of time organizing the production of the first picnic table. In the beginning it took six hours of labor per table but now each table takes only 1½ hours from "scratch to paint." Designing a set of car ramps took one FFA member a week but now he can do three ramps, or 1½ sets, in an hour.

Many of the products sold by Valiant Enterprises are special ordered by farmers. The corporation manager obtains product requirements from a farm-

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Student Aid for Education

These programs may offer you help in paying the high cost of your education.

By Wilson Carnes

"If a nation expects to be ignorant and free . . . it expects what never was and never will be."—Thomas Jefferson.

DO you need help paying for your education beyond high school? If so, you may be eligible for assistance through programs offered by the federal government and administered by the Office of Education.

At one time some of these programs aided only those students attending degree-granting colleges. Now, they are extended to students in a wide variety of approved vocational schools and technical institutes.

The financial aid officers at eligible schools serve important roles in each of the federal financial aid programs. Their office is a good place for you to start asking questions to see if you are eligible for aid and which program is best suited to your needs.

Career Booklets

Conservation. (1) *A Soil Science Career for You in SCS*, No. 716. (2) *An Engineering Career for You in the Soil Conservation Service*, No. 715. (3) *Careers in Soil Conservation*, No. 717, (4) *Students Start Your Career in SCS Before You Graduate*, No. 714. Single copies free from Information Division, Soil Conservation Service, Washington, D. C. 20250.

Forestry: *A Job with the Forest Service*, No. 0100-2503. Copies 15 cents each from Superintendent of Documents, Washington, D.C. 20402.

Research. *This Is ERS*, ERS-423. Free single or bulk copies from Office of Management Services, Division of Information, U.S. Department of Agriculture, Room 0427-South Bldg., Washington, D.C. 20250.

Here is a description of each program offered by the federal government.

SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS (SEOG): This program is for undergraduate students of exceptional financial need who without this grant would be unable to continue their education. Normally, the grant may be received for four years; however, it may be received for five years if the course of study requires extra time. The amount of the grant ranges from $200 to $1,500 a year with a maximum of $4,000 for four years of study or $5,000 for five years. When a student receives an SEOG grant, the educational institution will provide additional financial assistance at least equal to it. Some $210.3 million will provide SEOGs to an estimated 303,500 students during the 1973-74 school year in amounts averaging $670.

COLLEGE WORK-STUDY (CWS): This program is designed to provide jobs for students who have great financial need and who must earn a part of their educational expenses. Educational institutions participating in CWS may arrange jobs on campus or off campus with a public or private nonprofit agency, such as a hospital. Eligible students may work up to 40 hours a week. Federal support in academic year 1973-74 amounts to $270.2 million, and it is expected that jobs will be provided for approximately 560,000 students. Earnings will average $580.

NATIONAL DIRECT STUDENT LOAN (NDSL): This program makes it possible for students who need a loan to borrow money to meet their educational expenses. An estimated 624,500 students will benefit from the $286 million federal allocation for NDSL during academic year 1973-74, with loans averaging $690.

GUARANTEED STUDENT LOAN: Under this program, the student can borrow directly from a bank, credit union, savings and loan association, or other participating lender who is willing to make an individual loan for educational purposes. These loans are guaranteed by state or private nonprofit agencies or insured by the federal government. The maximum that may be borrowed in an academic year is $2,500. In a few states the maximum is less. The interest that may be charged to students on all Guaranteed Student Loans is limited to seven percent. The total that may be borrowed for undergraduate or vocational study is $7,500; however, the total may be $10,000 for graduate study alone or in combination with undergraduate study. In each of the past three years the loan volume has reached $1 billion.

BASIC EDUCATIONAL OPPORTUNITY GRANT: This is a new program of student financial aid first authorized by the Educational Amendments of 1972. Basic Grants will be made in addition to existing sources of student financial aid and the amount of a grant will not be affected by other aid received by the student. The grant will be calculated by means of a federal formula that applies to all applicants throughout the country. However, the amount of the award will be affected by the differing costs of attendance at different institutions.

To be eligible for the Basic Grants a student must be enrolling in a post secondary school for the first time and will be attending on a full-time basis. For the other programs, students must be enrolled at least half-time.

Swine Producers

(Continued from Page 22)

no charge. Local dealers have cooperated by furnishing the equipment at cost, and a milling company has supplied the pig feeders and other equipment at cost.

The Dresden Vocational Agriculture Department moved into a new school about two years ago under the direction of Instructor Larry Houston. The school livestock farm lies on an adjoining 60 acres. Besides the regular classroom facilities, Instructor Houston uses a classroom which is situated at the end of the modern farrowing house.

At first only Dresden vo-ag students used the farm but about a year ago the area vo-tech school began incorporating the facilities into their courses. "Because of the tremendous capital investment needed to keep the farm progressing a lease agreement was drawn up with the area school in 1972," states Mr. Shanklin, who continues to oversee the facility but now teaches at the McKenzie Area Vo-Tech School. "While maintaining the chapter's use of the farm the lease greatly increased the amount of money invested in the training facility."

Thus far, the school board has financed the major portion of the project with $30,000. Eventually vo-ag students from Martin, Greenfield, Gleason, and Palmersville, plus chapters in Henry and Carrol Counties will be scheduled for livestock management courses at the farm, too.

Dresden FFA members interested in operating their own livestock program or becoming a farm manager can learn every phase of swine management at the farm. Instruction consists of class work, plus laboratory and farm experience in production and marketing.

"We feel this program will help us to make better farmers out of the members by actually letting them use the most modern facilities available," says Advisor Houston. And modern they are with the feeding floor featuring such items as a locally built waste aerator which eliminates odor.

The advantages derived from the school farm will fully benefit Weakley County only as FFA members and vo-ag students begin their careers in livestock production. Yet the Dresden Chapter is already reaping the rewards of their efforts. Dresden officers practice leadership by serving as tour guides for groups visiting the farm. Furthermore, judging teams practice their swine judging skills on the farm and look forward to doing the same with beef.

Former Advisor Shanklin has managed the "teaching farm" since it started.

An Agribusiness

(Continued from Page 24)

er and submits a bid for building the product. For example, creep feeders built by the FFA members vary in bin capacities, requiring different amounts of lumber and varying production times. The snowmobile trailers, too, come with several options including fenders and lights.

"Each FFA member has a very important job and the success of every product is reflected in their work," says Advisor Rose. He cites the example of the cut-out man reading blueprint and making his cuts for the assembly man who puts the precut pieces together according to the blueprint. Painters, too, use the blueprints to estimate the paint required for a job.

To illustrate the professional approach to the agribusiness corporation just note the jobs of a few of the FFA members. John Vleck is a wood cutter, Wayne Kuster works as a metal cutter, and Ronnie Adams welds snowmobile trailers. Johnny Espinoza specializes in painting signs and tables.

Another group of the Central Valley agribusiness is the sales and advertising team. Each salesman makes phone calls, keeps a sales sheet, and maintains a list of potential buyers.

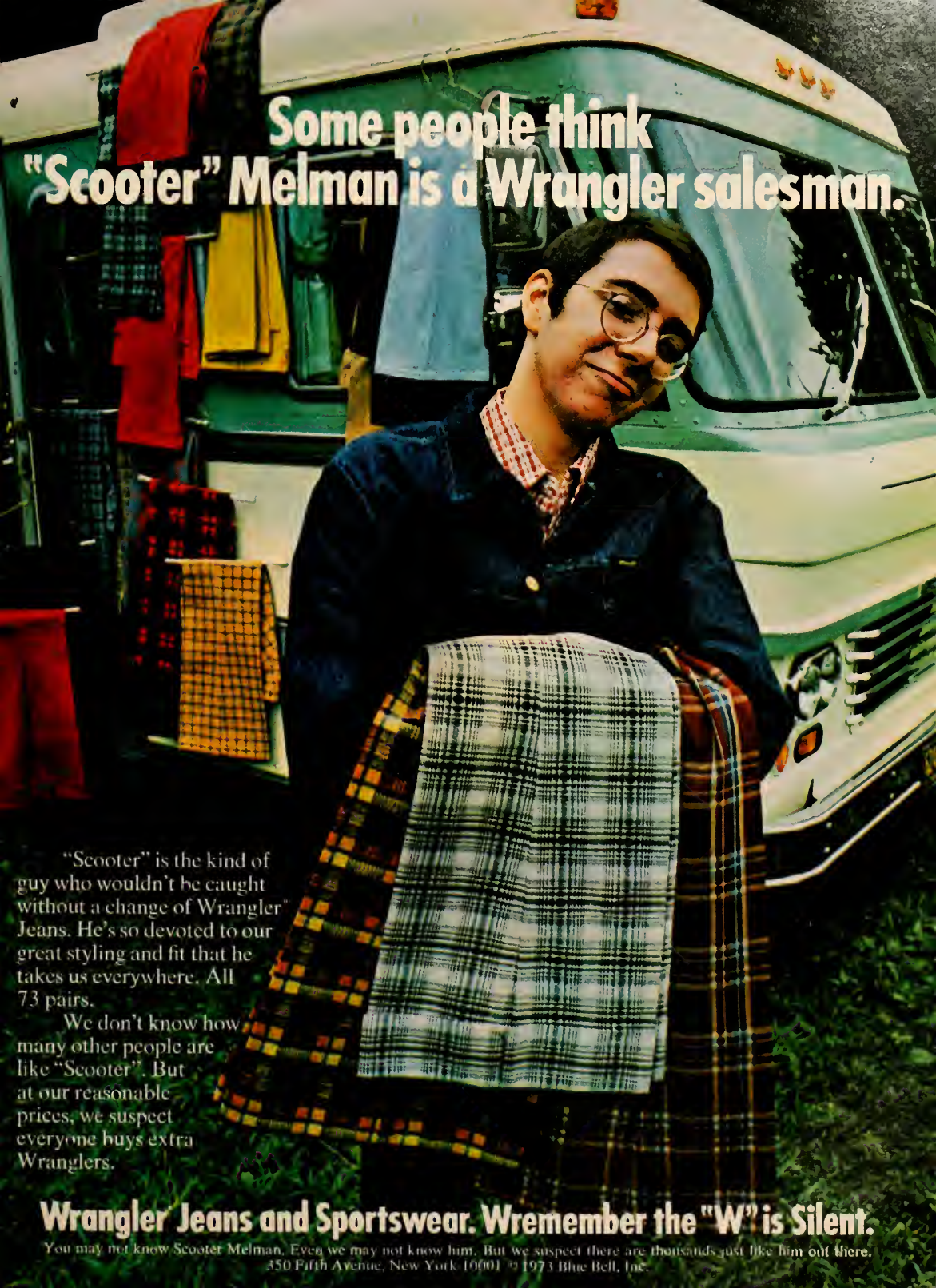
All of the Central Valley FFA members agree the experience really made them aware of many different careers in agribusiness. Similarly, Susan Hjelmstad, the corporation secretary, says, "This secretarial and bookkeeping experience has been the most realistic I have gotten while in high school. That's why I'm using Advisor Rose as a job reference."

Toward the end of the school year the corporation is liquidated and an open house sale is held. Last spring about 350 people turned out for the sale held in the vo-ag shop. Members say, "Sales were unbelievable."

Last year each stockholder received almost 850 percent return on his investment. But more importantly, FFA members learned how an agribusiness operates by purchasing the proper grade of lumber for a project, deciding on the quantity of metal, and handling the finances of the corporation.

"Members have really learned to know the problems of operating an agribusiness and the variety of skills it takes for each job," remarks Advisor Rose. "One agribusiness student told me this is an education in disguise. He said he was learning a lot but still it's fun."

The corporation's board of directors, led by Chairman Neil Adam, includes FFA members, teachers, and others as elected at the stockholders meeting.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And today's Navy offers even more. Training in highly skilled jobs, responsibility, a great chance to make the most of yourself.

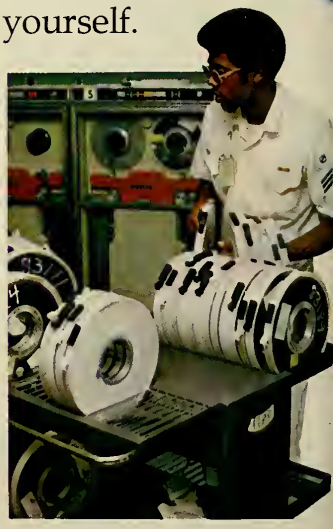

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Photo by Author

With the coming of another sheep shearing season Oregon's Dan Nichols plans to increase his shearing business to over 10,000 sheep in a single season.

Rapid Shearing...

Puts Money in His Pocket

By Dan Reuwee

SHEARING sheep may not be your idea of fun but Dan Nichols, from Canby Chapter in Oregon, shears sheep for fun and profit. Dan began shearing sheep when he was 13. After five years of serious involvement in the business he figures he's sheared over 25,000 head of sheep.

It all started in 1968 when Dan's uncle had a few sheep he wanted sheared. "I got a few pointers from an old shearer in the community and did a pretty fair job for a 13-year-old," says Dan. "The neighbors found out I'd done my uncle's sheep and I got some other jobs with small flocks."

In sheep shearing, Dan explains, the amount of money you can make depends on your speed and efficiency in shearing. "It takes a lot of practice and some special instruction really helps."

When he began shearing sheep, it never occurred to Dan the avocation might become a career. But as word got around that Dan Nichols was a pretty good sheep shearer he got more and more requests. When the local stockyards began looking for a new man to shear their sheep, Dan eagerly accepted the job even though he was only 14 at the time. "That was where I really got the experience," says Dan.

But in sheep shearing as in most jobs there's a right way and a wrong way to do the job. The best way to learn the right technique is to go to school Dan points out. So when world champion sheep shearer, Godfred Bowen, from New Zealand, was in this country to give lessons, Dan enrolled in his classes. The training enabled Dan to improve his average to 80-90 sheep per eight-hour day which at age 15 wasn't too bad. In 1971, Mr. Bowen again came to the U.S. and Dan enrolled in the course for a second time. This time he upped his average to about 125 sheep per day, and now Dan gives lessons to students who think they might be interested in learning the trade.

Shearing sheep is hard work and requires that one be in top physical condition, says Dan, who keeps in shape by participating on the school wrestling team. "When I'm out of shape, it is hard on my back," he explains.

Dan says the secret to speed and efficiency is in knowing how to hold the sheep and how to handle the equipment. "You've got to keep the machine on the skin and get all your movements to the point where it's almost habit," he says.

The worst part of shearing is that it's hard on the back. To lessen the strain on his back and legs Dan sometimes hangs in a sling. "I usually hook it up when I have to shear more than 100 head in one location," he explains. "The sling takes about 60 percent of the weight off my back and helps make the work comfortable."

At the present time Dan gets 65 cents a head for shearing. He owns his own equipment—three shearing machines valued at about $300 each plus an inventory of combs and cutters valued at over $700. Last year Dan used his earnings to purchase a new pickup truck which provides transportation and a convenient way to carry his equipment to the job.

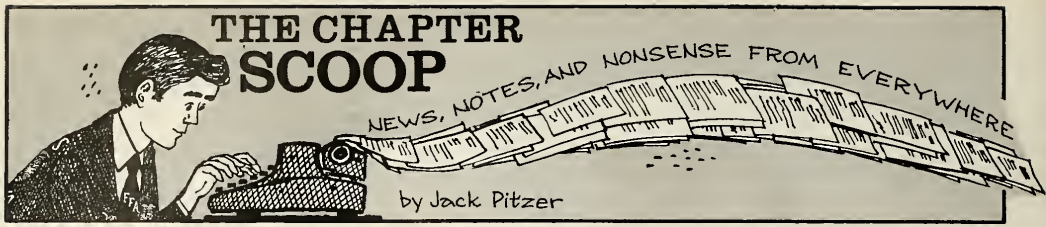
With the emphasis on speed in shearing sheep, contests are a natural pastime. Dan enjoys participating in contests and he has won both the state and Pacific International Sheep Shearing contests. In 1971 he won both contests but in 1972 he won only the state contest. Last year's winner at the Pacific International was David Segfregson of Roseburg, Oregon, another FFA member who went to New Zealand for firsthand shearing training.

In contests, Dan explains, time is not so important as how many cuts, how the shearer handles the sheep, and the appearance of the animal and of the fleece once the job is completed. Dan already qualifies to participate in the national contest and hopes to do so some day. His dream is to participate in a world championship shearing contest.

After shearing an estimated 25,000 sheep one might think that Dan would never want to see another fleece. But just the opposite is true. "I really enjoy shearing sheep," says Dan. "It's an art and not something that everyone can do. For me it has become a challenge. I've gotten to the point where it all comes second nature to me."

Dan plans to make a career of shearing sheep. "The last couple of years I've had to turn down a lot of business because of school," he says. "Next year I plan to shear at least 10,000 head. I also plan to continue raising registered Hampshires and increase the size of my flock."

Although Dan's average is about 120-130 sheep in an eight-hour day he has sheared as many as 165 head between 8:00 a.m. and 5:00 p.m. His record time for a single animal is one minute and five seconds. That doesn't sound too bad, but according to Dan the world record is 45 seconds so he's still got some practicing to do.



Star Greenhand of *North Jackson,* Ohio, FFA **Dianne Eddie,** is also on Junior Fair Board.

N-N-N

South Hagerstown Chapter in Maryland organized a roller skating party for members and their friends.

N-N-N

Amphitheater, Arizona, keeps a calendar in their classroom posted up-to-date with all FFA events.

N-N-N

Marion Stephens was the first *Enola,* Arkansas, member to receive the American Farmer degree. He got it this year.

N-N-N

Payson, Utah, members recently enjoyed a horseback ride to the Cockelburr Cabin in Payson Canyon.

N-N-N

Toledo, Washington, FFA gave away a frozen turkey as prize for guessing how many kernels of wheat a turkey would eat after it hadn't been fed for 24 hours. Contest was held at football game half time. It was 4,655 kernels.

N-N-N

New classroom and meeting room of *Sarasota,* Florida, Senior Chapter is right next to their citrus grove. Junior chapter gets the old room.

N-N-N

Garden City, Kansas, sold 3,200 hamburgers and 550 hotdogs at fair.

N-N-N

Three civic clubs in *Chamberlain,* South Dakota, help sponsor chapter delegates' trip to National FFA Convention.

N-N-N

Printed on the bottom of a news release form sent by *Bowling Green,* Ohio, FFA is this note: "Thank you for helping us tell our story of agriculture."

N-N-N

Brillion, Wisconsin, raises money by showing movies in school gymnasium.

N-N-N

Craig Smith's 1,150-pound Hereford steer "Andy" won at Tulsa State Fair. Craig's from *Cherokee,* Oklahoma.

N-N-N

Clark, South Dakota, made plans for a youth employment opportunity agency to be run by members.

Ralph Young, *Stillwater Valley,* Montana, FFA'er was named best dressed cowboy in Labor Day Parade.

N-N-N

New sweetheart of *Cliff,* New Mexico, FFA is **Sheree Lewis**—fourth member of her family to have that title.

N-N-N

Officers of *Halifax,* Pennsylvania, Chapter had their officer workshop and planning session on their advisor's farm.

N-N-N

How high is a pile of nine tons of walnuts? Ask *Oakdale,* California, FFA'ers. They picked up that many as a money making project.

N-N-N

Ray Chapter, *East Haddam,* Connecticut, is fixing up a vacant lot in town to become "Independence Park" as a Bicentennial effort.

N-N-N

Wiggins, Colorado, erected street name signs in their town. *Titonka,* Iowa, joined with Lions Club and did it, too.

N-N-N

Wapakoneta, Ohio, FFA sponsored a land judging contest for area chapters. Held at FFA's wildlife sanctuary.

N-N-N

Certificates of Appreciation were presented to several men and women at banquet of *Grady,* New Mexico, for the special help they gave FFA.

N-N-N

Free cider and sandwiches attracted 250 to *Wheaton,* Missouri, barnwarmin'.

N-N-N

David City, Nebraska, sponsored a cover drawing contest for their program of work. Gave cash prizes.

N-N-N

Lamar, Colorado, members had both the grand champion market lamb and market barrow at state fair this year.

N-N-N

Dawsonville, Georgia, FFA members report that their advisor demonstrated how to do a "belly-buster" at chapter swim fest.

N-N-N

Coleman, South Dakota, sponsored a golf tourney during homecoming week.

N-N-N

Schertz, Texas, FFA'ers compete for for trophies in a chapter deer hunt.

This summer *Hampton,* Iowa, FFA planted ten plots of native Iowa grass for an outdoor conservation classroom.

N-N-N

During the fair, *Knoxville,* Iowa, had a gadget show. (Sorry, that's all they said, but sounds intriguing.)

N-N-N

Hunters, Washington, Chapter, **Joe Parazoo** reported the FFA gilt had eight pigs—all fine. And **Brad Benson** reported the FFA cow had a heifer.

N-N-N

"Our chapter served as 'victims' of a simulated bus wreck to test emergency facilities." *Bloomfield,* Iowa.

N-N-N

Tyler, Minnesota, prospective Greenhands had to shave lathered balloons. Not one succeeded.

N-N-N

Mason Valley, Nevada, is selling firewood they cut.

N-N-N

"We raise money by running a bucking barrel at the county fair." **Danny Walker,** *Bonham,* Texas, FFA.

N-N-N

Oak Grove FFA in *Paragould,* Arkansas, put six acres of the school's idle land into hay. Made $296.

N-N-N

New paneling, furniture, carpet, and drapes for the vo-ag classroom and chapter room of *Fairbury,* Nebraska.

N-N-N

With plaques and awards scattered around the walls of the vo-ag room, *Big Walnut,* Ohio, paneled the back of the room and hung everything together.

N-N-N

"About the last of summer, the *Geddes,* South Dakota, officers got together and discussed our responsibilities as officers and what we wanted to accomplish during the year."

N-N-N

Consider inviting employers of work experience members to the banquet.

N-N-N

Centerville, South Dakota, decided to keep on sending the national magazine to people who help the FFA.

N-N-N

And *Gilbert,* Arizona, cooked 400 hamburgers for a teachers' mixer. Have 250 teachers in their school.

N-N-N

Wind River, Wyoming, officers took **Advisor Terry Slack** and his wife out to dinner in appreciation of their extra efforts for FFA'ers.

N-N-N

Keep those newsy notes coming in about things going on in your chapter. If you aren't an officer, write anyway.

Mike Read supervises teachers of rural youth and vocational agriculture in Liberia, West Africa, schools.

No matter what Mike does, children join in with him—whether it be roasting a pig or running for exercise.

He Works with Youth

As an agricultural volunteer in the Peace Corps this former member got the chance to travel and help youth.

By Ron Harley

MIKE Read, 22, a past state FFA vice president in Illinois during his high school years, is now serving as a Peace Corps volunteer in the tiny West African country of Liberia.

As a volunteer, he works in Liberia's Rural Youth Program, supervising teachers of rural youth and vocational agriculture. He is further involved in both the Future Farmers of Liberia and 4-H programs at the elementary and junior high school levels.

"Our biggest project involves planting and caring for school gardens," Mike says. "There are somewhere between 3,000 and 5,000 boys and girls participating in this project within three counties. The produce from the gardens is used for the school lunch."

Mike grew up on a dairy farm in Illinois, but moved with his family to Peshtigo, Wisconsin, about four years ago. His father raises purebred Guernsey and Holstein cattle, and the family "follows the dairy show circuit."

"We had the All-American Guernsey cow one year," Mike recalls, "and my sister had the best-uddered cow at the International Live Stock Exposition one year. The best I ever did was place third at Waterloo."

Mike majored in rural sociology at the University of Wisconsin and graduated in June, 1972. Both he and his wife Marcy joined the Peace Corps a month later. Marcy works as a nurse in a small hospital on the outskirts of Gbarnga, the Liberian village where the Reads live.

"I especially enjoy the kids here," Mike notes. "Just for fun, and to keep in shape, I do some running every evening—and there are about 40 kids here in the village who run with me, waving and yelling to everybody we pass.

"One Christmas here Marcy and I went over to the hospital and took some small presents to the kids there," he continues. "You can't imagine the appreciation they showed for small things like candy suckers and balloons."

Mike is one of about 45 agriculture volunteers now serving in Liberia. Worldwide, there are over 1,400 Peace Corps agriculture volunteers working in 47 developing countries throughout Africa, Asia, and Latin America.

"I had always had an ambition to travel," Mike says of his decision to join Peace Corps. "I wanted to see the world, and at the same time I wanted to do what I could to help other people. I've never regretted joining."

Agriculture has become an increasingly important part of the total Peace Corps program. In 1961, Peace Corps' first year, only 9.2 percent of the volunteers worked in agriculture. The figure is now over 24 percent.

Volunteers Needed

In recent years there has been a sharp increase in requests by host countries for Peace Corps volunteers who have college degrees in agriculture or who have practical experience in farming or some other phase of agriculture.

The FFA through its International Program is trying to help the Peace Corps fulfill the recruitment need for agriculture instructors. The FFA assists in identifying the country's particular requirements, helps locate qualified individuals, and works with volunteers on assignment. The FFA is presently working to situate agriculture instructors in Colombia.

Anyone interested in becoming a Peace Corps Volunteer Agriculture Instructor may contact Lennie Gamage, Manager of FFA International Programs, P.O Box 15160, Alexandria, Virginia 22309.

American Farmer Coincidences

Many times similar things happen at the same time—even at the National FFA Convention.

FOR two years in a row the Honorary American Farmer degree and the American Farmer degree have been bestowed upon a father-son combination.

First Coincidence

Michael Hartke and his father Alphonse, of Teutopolif, Illinois, received respectively the American Farmer degree and the Honorary American Farmer degree at the 1972 National FFA Convention. But this occurred only after three of Mr. Alphonse's sons had previously received the highest degree. Gerald received his American Farmer degree in 1961, Charles in 1965, and Phillip in 1968.

Mr. Hartke began his own farming career in 1933 with a partial interest in the products from 400 acres of farm land. Throughout the years he kept expanding and increasing his acreage and farming facilities. Mr. Hartke is still an active farmer, having a half interest in the operation of 630 acres with his son Phillip.

Mr. and Mrs. Hartke have ten children, five sons and five daughters. Seven of the children now live on farms, two daughters are registered nurses, and one son, Francis, is in the research and sales department of a firm in St. Louis.

Gerald started his FFA project with one purebred gilt and expanded to a 40-sow herd by his graduation in 1959. He served as chapter president and was a state officer. He married his wife Charlene in 1961 and started farming 365. acres.

As a freshman in 1958, Charles had one-third interest in six sows and three gilts, which was gradually expanded to a 40-sow herd. By the time he was a senior and received his State Farmer degree in 1962, he was the sole owner of 60 sows and renting 80 acres of land which he later purchased. He served the chapter as president and also was a state officer. In 1963 he married and began farming an additional 155 acres. In 1971 he purchased an additional 140 acres of land.

Phillip commenced his freshman program with four gilts and expanded to 40 sows and some crop acreage during his senior year. In the local chapter he served as vice president and also served one year as section reporter. In 1967 and 1968 he rented his brother Charles' 235-acre farm while he served in the U.S. Army for two years. Phillip and his father farm the 635 acres. Phillip, his wife Carol, and their sons live on a 240-acre farm.

Michael started his FFA program with 218 feeder pigs and a small corn acreage. In his senior year he had expanded to 416 hogs, 23 acres of corn, and 5 acres of soybeans. In his chapter he served as secretary and vice president, and as a state officer. This year he is renting an additional 240 acres owned by his brother Francis. Michael, his wife, with their son and daughter live on a 200-acre farm.

The local Teutopolis Chapter presented Mr. Hartke with the Honorary Chapter Farmer degree in 1962. Mrs. Hartke received the Honorary Chapter degree in 1969. The Honorary Illinois Farmer degree was presented to Mr. Hartke in 1970, the same year his son Michael was named a district Star Farmer.

Second Coincidence

Harold Clinkscales, Jr. and his father Harold, Sr., of Starr, South Carolina, were the recipients of the highest degrees offered in the FFA at the 1973 National FFA Convention.

Mr. Clinkscales, a vocational agriculture instructor, has been teaching agriculture for over 21 years. He is presently instructing at Crescent High School in Iva. To date he has supervised ten American Farmers and coached state winning livestock and soil judging teams. Earlier this year Mr. Clinkscales received the Honorary State Farmer degree.

Harold, Jr., past treasurer of the South Carolina Association, has won state awards in Soil and Water Management, Crop, and Livestock Proficiency areas. He was also named State Star Farmer this past spring.

Harold's farming program consists of beef cattle, hogs, soybeans, and milo. The American Farmer is currently studying agriculture at Anderson Junior College but plans to transfer to Clemson University to complete studies in animal science before returning to the farm.

Mike, right, was the fourth Hartke son to receive the coveted degree.

The honorary degree went to Mr. Hartke the same year.

Harold Clinkscales, Sr., left, and Harold, Jr. are congratulated by past Vice President Robert Hinton.

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NAF 3-12

Demand for Farm Products Is Changing

Photo by Ron Miller

You may need to increase or decrease the amount of crops or livestock you will produce in the future. You may even have to switch to raising different farm products than you are now growing. These predictions can help you make such future management decisions.

WHAT can a farmer expect the demand to be for his products by 1980? Will the demand increase as fast as agricultural production is predicted to rise? These are a couple of the questions discussed by Don Paarlberg, USDA director of agricultural economics, at a meeting of the Chemical Marketing Research Association.

Touching briefly on prospective changes in U.S. population and the overall economic situation, he went on to project the domestic use and export demand for agricultural products. Finally he translated the USDA predictions into production needs and land use. These predictions summarized by *The National FUTURE FARMER* can provide you with some guidelines for future production plans.

Population and Income

The main shifters in the demand for farm products are population and income.

During the 1970's, total U. S. population is expected to rise to around 235 million—an annual rate of about 1.3 percent. According to this Bureau of the Census projection the U. S. population will increase around 15 percent in this decade.

Over the same period a 20 percent increase in both the U. S. labor force and in total employment is expected. With both increasing faster than the total population the total income will continue to rise. Thus, the gross national product is projected to increase at an annual rate of 4 to 4½ percent in "real" terms, even after allowing for a certain degree of inflation.

Domestic Demand

Foreseen changes in the per capita consumption of several farm commodities during the late 1970's will reflect many trends already underway.

For example, consumers are expected to continue eating *more* beef, chicken, and turkey, the *same* amount of pork, and *less* lamb and dairy products. Taking into account the various changes, the per capita consumption of all animal products is expected to increase about 2.5 percent by 1980.

Meanwhile, per capita consumption of all crop products is expected to increase by 1 or 2 percent. The projections include a decrease in wheat and corn in direct food use; an increase in rice use; further shifts from fresh vegetables to frozen vegetables; shifts from non-citrus to citrus fruits; and more substitution of animal fats for vegetable oils.

The combined changes in per capita consumption of both the animal products and crop products point to a 2 percent projected increase in per capita consumption of all foods at the farm level. The rising totals indicate some shift from less expensive to more expensive foods but do not predict an increase in the volume or pounds of food consumed per person.

Foreign Exports

Projections of exports are subject to considerable error due to rapid changes in world supplies and U.S. foreign policies. During the 1970's, though, the expansion of U. S. farm commodity exports will depend upon the continued growth in both the developed and less developed countries.

Therefore, in total a 30 to 40 percent rise in U. S. crop exports is foreseen by 1980. The rate of increase is expected to be larger in soybeans and feed grains than in wheat and cotton. On balance, exports are expected to continue to account for approximately a fifth of the total crop output by the American farmer.

Total Demand

The projections in U. S. population, per capita consumption, and exports can be translated into aggregate U. S. demand for farm products produced during the decade of the 1970's.

Animal Products

	1970	*1980*	*Change*
	—Billions—		*%*
Cattle & Calves, lbs.	22.3	29.0	+30
Hogs, lbs.	13.4	15.4	+15
Chickens, lbs.	8.7	11.5	+33
Turkey, lbs.	1.7	2.5	+44
Eggs, doz.	5.9	6.5	+10
Milk, cwt.	1.2	1.1	− 9

The predicted demand for crop products reflects an increase in both U. S. needs and exports. The demand for production is based on a three-year average, 1968 to 1970.

Crop Products

	1968-70	*1980*	*Change*
	—Millions—		*%*
Wheat, bu.	1,470	1,500	+ 2
Rice, cwt.	93	100	+ 8
Feed grains, ton	167	240	+44
Soybeans, bu.	1,119	1,500	+34
Cotton, bale	10.0	12.4	+25

Crop Yields and Land Use

USDA projections indicate the American farmer can readily meet all foreseen increases in demand for farm products during the 1970's with essentially the same total crop acreage now in use. The rising demand could be met entirely through an increase in acre yields, assuming the continued adoption of improved technology in field crop production.

The average corn yields are expected to approach the 100-bushel level before 1980, a rise of almost 20 bushels per acre. The wheat yield levels are predicted to reach 35 bushels per acre, up five bushels over the ten years, and grain sorghum yields will climb about 15 bushels, reaching almost 65 bushels per acre by 1980. The yield average for soybeans will increase about 10 percent to over 30 bushels per acre, and rice yields will climb by almost 1,000 pounds and approach 5,500 pounds per acre by 1980.

To a great extent the market or demand for your crops determines how much you will plant in the coming years.

Considering both yield increases and changes in demand farmers will make adjustments in land use. The chart below illustrates these changes.

Crop Acreage

	1968-70	*1980*	*Change*
	—Million Acres—		*%*
Wheat	49.0	44.3	− 9.6
Rice	2.1	1.8	−14.3
Feed Grains	97.2	99.0	+ 1.0
Soybeans	41.5	48.5	+16.9
Peanuts	1.4	1.4	———
Cotton	10.8	10.5	− 2.8
Hay, all	62.6	61.0	− 2.6
Other crops	33.0	32.8	− 0.6
Total, harvested crops	297.7	298.0	− 0.1

In assessing the situation note the total harvested crop figure does not include some 45 million acres of cropland pasture. Also, something like 50 million acres—about 14 percent of our less productive cropland—is currently being held out of production constituting a sizeable reserve cushion.

However, restrictions on the use of fertilizers and herbicides could reduce yields and require greater acreage use than those projected. So in conclusion of this short-term outlook, the American farmer can meet the foreseeable demand for food, feed, and fiber provided responsible use of technology is made available to him by modern science.

Safety on the Trail

Many snowmobile manufacturers believe the key to safe snowmobile operation is your knowledge of the vehicle.

By Ron Miller

WITH any product—especially recreational products—the first and foremost question arising is, IS IT SAFE?

To be safe means several things. It means free from injury or risk, secure from danger or loss, and reliable or trustworthy.

Speaking to the Wisconsin Association of Snowmobile Clubs, John Hull, a past president of the United States Snowmobile Association, pointed out three important safety aspects.

First, the product itself must feature as much engineering design, performance, reliability, dependability, and quality as current progress affords.

Second, is operator education. This includes mechanical knowledge of the machine and most important what its limitations are.

Third, is the operator himself. It boils down to the common sense factor of applying the operator education to a product, say a snowmobile.

In response to this need for safety in snowmobiling most manufacturers are going beyond just making a safer product. As you will learn by reading this article they are using various ways to educate the public about safe snowmobile operation.

Trail Safety

In the last couple years major emphasis in snowmobile safety has been placed on trail maintenance, signs, and patrols.

For two years now Bombardier Limited has been studying a snowmobile trail grooming program called Snoplan. "Last winter's Snoplan tests have convinced us that the key to safe, enjoyable, environmental use of snowmobiles are good trails," reports Laurent Beaudoin, president of the firm. "We are also convinced that the best way to attain better trails is to work with clubs and help them to become involved in trail activities."

Snoplan attempts to help as many snowmobile clubs as possible to acquire a trail maintenance vehicle at little cost to the club. Assistance in local education and promotion of trail grooming efforts carried on by the club is provided with the purchase of a trail maintenance vehicle.

In addition to such trail upkeep programs other snowmobile manufacturers are making trail signs available to clubs and associations. Suzuki, for example, began offering seven different trail markers for the first time last winter.

(Continued on Page 44)

This winter volunteers in the National Snowmobile Patrol will make the sport safer in the snowbelt states.

Trail signs like these distributed by Suzuki can keep riders along the right route and warn them of danger.

Chills and Racing Thrills

Good weather to this chapter means plenty of snow and cold predicted for the Sunday afternoon races.

FOR the past two years the Princeton, Minnesota, FFA Chapter has sponsored snowmobile races in their community. The races are held in February at the Mille Lacs County Fairgrounds located in the town.

All totaled 13 classes are set up including stock and modified races. Powder puff and novelty races add even more excitement to the thrilling chapter activity. The races are run on a quarter-mile stock car track which is cleared along with car parking areas by a parent of an FFA member. Members spend many hours banking and packing the turns of the track.

The 13 races usually draw some 60 to 80 entries, attracting almost 500 spectators to the Sunday afternoon event. All entry fee money goes for trophies and driver winnings—prizes are split on the basis of 50, 30, and 20 percent for first, second, and third prizes after the trophies are deducted.

FFA committees—involving over 30 members—are established to conduct various responsibilities such as concessions, registration, clean-up, and ticket sales. The local Jaycees cooperate by providing six to eight people to work as flagman, racer registrars, and other helpers.

Both years the chapter has made a profit of over $500 from the event. The first year they used the money to purchase new equipment for the agriculture shop. Last year they donated their profits to the county fair board for the construction of a "Children's Barnyard" and a steel building for housing FFA livestock at the fair.

Last winter the chapter scheduled another race day for March. However, it had to be cancelled due to the lack of snow. This year the Princeton Chapter is hoping the snow holds out for a longer snowmobile racing season. *(By Mark Enger, Reporter)*

Entry numbers are recorded just prior to the start of each of the 13 races.

Racers and spectators kept FFA members busy selling hot food and drinks.

Chapter members begin to prepare the grounds five days ahead of the races.

The Clear Lake FFA used $600 to build a blue and gold skater warm up house.

Rural Improvement Goes Statewide

THE newest project of the South Dakota FFA Association is "Building Our South Dakota Communities." BOSDC, as is commonly called, got its start with a $25,000 grant to South Dakota chapters from the state agriculture department in cooperation with the Farmers Home Administration.

South Dakota's answer to the national BOAC program was kicked-off with a symposium featuring an address by Governor Richard Kneip. The program provides grants up to $1,000 to chapters for rural community betterment projects. During the first year 42 of the state's 61 chapters took advantage of these funds.

Applications for grants were sent in by the chapters last fall describing the project idea and its estimated cost. Progress reports were sent in at regular intervals after the project was approved and underway.

A $200 grant was given to the Lake Preston FFA for operating a rabies vaccination clinic for dogs. The Newell Chapter used their funds to purchase spraying equipment and a portable squeeze chute. Both items were made available to local farmers.

The monies obtained by the Tyndall FFA were used to develop a little league diamond and baseball park. The Huron FFA received $1,000 for rebuilding a dam and constructing recreation facilities outside of town while the Pollock, Harrisburg, and Volga Chapters put their funds toward improving their city parks. The few projects mentioned here show the variety of uses found by South Dakota Chapters for these community development funds.

Emphasis on the BOSDC program has been expanded still further this year. The South Dakota Department of Agriculture raised the amount for rehabilitating rural South Dakota to $35,000, as announced by the Honorable William Schroeder, the state secretary of agriculture.

Safety on the Trail

(Continued from Page 42)

The visual messages include a directional arrow, a diamond meaning "on the right track," a stop sign, a danger signal marking, and three intersection signs—for crossroads, the "Y" intersection, and the "T" intersection. A trail marking activity program for snowmobile clubs is part of this service.

This winter a nationwide organization of volunteers will be assisting snowmobilers in at least 32 snowbelt states. The group, known as the National Snowmobile Patrol (NSP), will consist of as many as 100,000 members and will offer first aid, on-trail maintenance, search, and rescue services. Clubs already participating in NSP have held training sessions and testing programs for the 1973-74 season.

The patrol got its start in New York on trails around Prospect Mountain at Lake George last winter. Adhering to rules and regulations set down by the New York Department of Environmental Conservation, the patrol serviced trails used by more than 4,000 people and over 2,000 machines without any accidents, property damage, or injuries.

Members of the NSP wear international orange jackets or parkas and white helmets with patrol decals. Anyone interested in more information about the patrol may contact Jack Baker, National Director, National Snowmobile Patrol, Box 163A Lake Shore Drive, Lake George, New York 12845.

Safety Education

Many snowmobile manufacturers make general safety booklets available in addition to their standard owner's manuals. To illustrate, Yamaha provides operators with a picturesque 16-page safety handbook describing everything from proper riding techniques to proper dress.

Moreover, the International Snowmobile Safety Industry Association has prepared a complete "Snowmobile Safety Handbook" in cooperation with the National Safety Council. The 24-page brochure is designed to supplement owner's manuals and is written for the person who is about to experience his first snowmobile ride. Single copies of the safety handbook are available free from the International Snowmobile Industry Association, Washington, D.C. Headquarters Officer, 5205 Leesburg Pike, Bailey's Crossroads, Virginia 22041.

Still other snowmobile manufacturers are providing safety education courses for riders. Arctic Enterprizes, for instance, has developed an instruction package known as Snowmobile Operators Responsibility Training (SORT). The program is in its second year and has been incorporated into safety efforts carried on by several Minnesota FFA chapters.

The SORT program includes cooperation with participating dealers, an instructor's manual, slides with a script, a safety textbook, workbook with tests, a snowmobile, and the necessary snowsuits, helmets, and gloves.

Several safety programs other than these mentioned here are being carried on by other manufacturers, too. They include such items as safety films, printed safety materials, and a variety of assistance to clubs trying to promote the operation of snowmobiles as a safe winter sport.

Ask your dealer about his manufacturer's safety programs and have a safer ride the next time you go out snowmobiling.

Keynote speaker was Congressman Jerry Litton, an Alumni member.

Gus Douglass, left, chairman of the Alumni Council, with a group of Alumni members who were among the first to receive the Legion of Merit Citation.

Building a Better Alumni

The FFA Alumni moves ahead with second annual meeting.

FROM throughout the nation, former members of the FFA gathered in Kansas City on October 19 for the second annual meeting of the FFA Alumni Association. Those present learned of a 62 percent growth in membership during the year and that life memberships had tripled.

Chairman for the afternoon meeting was Gus R. Douglass, chairman of the National Alumni Council and commissioner of agriculture in West Virginia. Mr. Douglass received a vote of confidence for his leadership by being re-elected as council chairman for a one-year term.

Congressman Jerry Litton, of Missouri, a past national FFA officer and one of FFA's most distinguished Alumni, was the keynote speaker. He told the audience about some of the problems facing agriculture today and particularly in terms of national politics. Others who addressed the group included Kansas City Mayor Charles Wheeler, Jr.; National FFA President Dwight Seegmiller; FFA President-elect Mark Mayfield; and the Alumni Administrative Secretary Jay Benham.

Much of the business of the Alumni was hammered out in committee sessions. Each committee reported to the general assembly their recommendations which will serve as guides to the National FFA Alumni Council as well as state and local groups.

A meeting highlight was the first presentation of the "Legion of Merit Citation." The award went to 117 members who were recognized as being, "those who provide the leadership and spend their time and energies to help build the FFA Alumni Association."

Results of the election by mail ballot held earlier for two positions on the Alumni Council were announced. Those elected were Richard Waybright, Pennsylvania, for the North Atlantic Region; and Harry Epler, Wyoming, for the Pacific Region.

Five states received their charter, bringing to 45 the number of states with a state charter. These states are: Arkansas, New York, Washington, New Mexico, and Vermont.

Recognizing the importance of building membership at this time, the Membership Development Committee recommended that a membership goal for each chartered state be set at 10 percent of the active FFA membership of that state, and that after fiscal 1973 an additional 5 percent of the state's active FFA membership be added to the goal each year. It was also recommended that programs such as Operation Teamwork, Every Member-Get A Member, Legion of Merit Citation, and Open the Door for '74 be continued.

Lending support to the need to build membership, the Local Activities Committee seemed to feel that the primary goal at this time should be membership at the local, state, and national level. They also recommended an awards program for FFA Alumni members.

The State Activities Committee recommended that states always hold their annual state meeting concurrently with the state FFA convention. They also recommended that a non-teacher should be the chairman of Alumni Councils at all levels, that a definite objective should be established when organizing a local affiliate, and that states should look into the possibility of holding sub-state level meetings to inform and promote the FFA Alumni and its activities.

The National Program Committee wanted to see each Alumni member sent the national FFA magazine, the newsletter continued, and consideration given to making the membership year the same for all members within a state rather than have membership expire one year from the payment of dues.

The committees' reports which include many recommendations not mentioned above are on file with the National Alumni Association. Copies are available for FFA Alumni members.

For information on how to organize the FFA Alumni in your community, or how to join yourself, write to: FFA Alumni Association, P.O. Box 15058, Alexandria, Virginia 22309.

FFA Alumni Relations

Delegates to the 46th National FFA Convention voted unanimously to establish Alumni Relations as the 11th area of the FFA Program of Activities. This will give FFA chapters credit for involving FFA Alumni in their activities and will mean chapters will have an Alumni Relations Committee.

Alumni Relations will appear on the national FFA chapter award report form for the first time in 1974-75. State FFA associations should plan to add Alumni Relations to the State Program of Activities at their 1974 conventions.

Photos by Arch Hardy

The booth at the National FFA Convention helped tell the Alumni story.

What's Everybody Doing for FFA WEEK?

A look at when, how, and what chapters across the nation are doing to gain the most publicity from their National FFA WEEK activity.

By Jack Pitzer

THE greatest ingredient for a successful chapter FFA WEEK promotional effort is *early planning.*

Since the main purpose of celebrating National FFA WEEK is to focus public attention on vocational agriculture and FFA, it makes sense to get the most out of the effort. Planning will insure that.

Advisor Haynes of North Country, Vermont, Chapter wrote, "We started planning for FFA WEEK last fall when we formulated our program of activities."

An officer of the Canby, Oregon, Chapter attended a summer leadership conference with officers from other states and got "fired up" after hearing what others are doing. He went back to his school with an enthusiastic attitude and involved his chapter in a complete program of activities.

The Tempe, Arizona, Chapter developed promotional plans in August and then their committees began work in mid-January. They have several special committees: livestock display committee (organizes members to display animals at a local shopping center); TV program committee; dress up day committee; tractor rodeo committee; and a newspaper ad committee (who gather local business support for a full page salute to FFA).

Storrs Regional, Connecticut, planned a busy and fun filled FFA WEEK by involving existing committees.

"The planning for our FFA WEEK started in November, when the six standing committees decided each committee would sponsor one activity. The committees, headed by the chairman and assisted by the chapter officers, met together and coordinated the activities."

The public relations committee decided to sponsor a radio show. Four members were on the Don Tuttle Show (WTIC) to talk about their FFA experiences.

The earnings and savings committee planned a television show. Two Storrs members were selected to talk about the feeding and management of rabbits.

A display at the Connecticut Bank and Trust Company showed local FFA members in action. Pictures and slides of members were used to depict work in the areas of plant science, animal science, agricultural resources, and agricultural mechanics.

The cooperation committee decided to erect a billboard outside town and worked through a local advertising firm. FFA WEEK posters were displayed in

the school by the scholarship and leadership committee and the recreation committee sponsored an ice skating party on Saturday.

Then another approach used by the Cameron, Missouri, FFA was organizing and planning week-long observance. On Saturday night they had a barbecue wildlife supper to kick-off the WEEK. They sold tickets to the meal and had a little in-the-chapter contest for the best salesman. Moms helped prepare the food including rabbit, deer, squirrel, coon, ducks, and turkey.

On Sunday members were encouraged to attend church in official dress with their parents. Church program inserts were purchased and information about the chapter was added on the backs. These were distributed in area churches. On Monday, members conducted a clean-up drive in their community's reservoir, park, and school grounds. On Tuesday the officers were guests at the Lions Club and told about chapter activities.

Wednesday, members sponsored Teacher Appreciation Day and gave each faculty member an apple, plus a short program with refreshments was held after school. Thursday the officers met with the adult farmer class. Every chapter member wore an FFA jacket to school on Friday.

All during the WEEK spot announcements were aired by a local radio station, window displays were in business firms who support the chapter, and litterbags and phamphlets (same as church inserts) were distributed around the community.

The Stone Chapter in Mississippi started promotion a week before the actual celebration in order to create public awareness.

Of course, many chapters schedule their banquet during FFA WEEK. And most chapters take advantage of existing media—newspapers, radio, TV, and exhibit spaces—to get publicity. Special newspaper "specials" seem to be very popular.

Most of these activities and plans center around ideas or suggestions found in the How-to-do-it and Idea Packet mailed from the national FFA organization in November to all local chapters.

Chapters also should establish a budget for promoting FFA WEEK as part of their plan. The ideas or projects described earlier are relatively cost free. The organization does, however, offer a variety of promotional materials for sale each year. They are designed to make it easier for chapters to gain the publicity. A special order brochure and order form are mailed to all chapters with the Idea Booklet in November.

Letters from chapters around the nation indicate that $30-$60 is a typical allocation for purchasing these materials. Corunna, Michigan's senior officers working from early December spent $30.00 for supplies.

Magnet Cove, Arkansas, also budgeted $30.00 for WEEK supplies but also spent $400 for the annual banquet. At the banquet they had a courtesy corp with WEEK name badges.

Brattleboro, Vermont, appropriated $75.00. Part of their order included litterbags which the chapter distributed through local gas stations.

Items available include an outdoor billboard, placemats, posters, church program inserts or leaflets, TV slides, radio spot announcements, bumper stickers, litterbags, envelope stuffers, pocket notebooks, bulletin board kits, and name badges. New items for '74 are a car top sign carrier for displaying bumper stickers and give-away pens.

Chapters have found a lot of uses for these promotional items. For example, the Killingly, Connecticut, Chapter discovered the envelope stuffers (normally used with mailings or monthly statements) were effective as inserts in grocery bags.

And Missoula, Montana, provided name badges (most often used for banquets or meetings) for employees of local restaurants to wear—along with WEEK placements.

In Monroe, Wisconsin, every citizen must have known it was FFA WEEK. They put up two billboards, 25 posters in businesses, and two window displays. They gave 500 envelope stuffers to agribusinesses, distributed 200 litterbags at gas stations, put 2,000 placemats in restaurants, gave 500 church inserts to churches. Plus they gave away 100 bumper stickers, 200 pocket notebooks, and 30 sheets of seals.

In addition, they published 500 copies of a 20-page chapter booklet especially for passing out during the WEEK. It has photos of chapter officers, accomplishments, some history, and degree winners. Altogether they spent $300 for FFA WEEK.

There are thousands of ways to get publicity during FFA WEEK. And getting organized early means effective public relations will be accomplished.

In photo at left, Muskogee, Oklahoma, FFA members are holding lambs for a judging contest at a school for blind students. This was an FFA WEEK event.

Missoula, Montana, Chapter erected a safety exhibit in area agribusiness firms as part of their WEEK activity.

Receptions, breakfasts, and open house nights are popular events during FFA WEEK as was the faculty tea hosted by the FFA chapter in Parker, Wisconsin.

SPORTRAIT

Fans in central Missouri will be seeing more of Randy Flick on the court.

MANY of the top basketball players in small schools across America are also FFA members. One such outstanding basketball star is Randy Flick, past reporter of the Stet, Missouri, Chapter.

Randy led his high school team as the Most Valuable Player in the CLAA Conference, and All-Conference First Team, and All-District First Team for two straight years. In his senior year Randy was voted to the All-Missouri Team after receiving honorable mention as a junior.

As a sophomore, Randy averaged 23.9 points per game and upped his percentage to 32.1 points per game as a junior. His average dipped slightly to 30.5 points per game as a senior but he increased his assists to 7.1 per game.

Although only six-foot tall Randy scored 2,222 points during his high school career for an average of 27.5 points per game. He led his team to 19-7, 16-10, and 17-8 won-loss records. His high point game was 51 points as a senior although he scored 48 points in a single game as a junior. His coach throughout high school was Mr. Danny Kuhlman.

"Basketball along with FFA has given me opportunities in leadership," says Randy. "They have taught me how to lead people my own age and how to get along with them."

Randy, a winner of the first place individual award in state livestock judging, will major in math and minor in physical education at college. He has received a basketball scholarship to Central Missouri State University and wants to teach and coach after graduation.

Saving Land for Wildlife

FFA members from across Nebraska are involved in conservation through the NEBRASKAland Acres for Wildlife program. The program, begun in 1969 through the efforts of Dr. Bruce Cowgill, author of the Acres for Wildlife, has been adopted by several midwest states.

The program basically involves a cover agent, the land operator, a conservation officer, and sometimes a local volunteer sponsor. Youth—in many cases FFA members—serve as cover agents for enrolling plots and cooperating with land owner and operators. The FFA member enrolls the plot—a minimum of one acre for one year—in Acres for Wildlife, completes the enrollment form, and receives a cover agent arm patch and a certificate.

The land operator receives cooperator bulletins and a subscription to *NEBRASKAland* in appreciation for plots approved by the conservation officer.

Every year plaques are awarded to individuals and groups who make outstanding contributions as cover agents, land operators, or sponsors. "Though involvement is limited to a relatively small number of chapters, FFA makes a major contribution," says Mr. Clarence Newton, coordinator of the NEBRASKAland Acres for Wildlife.

In 1972, FFA chapters captured all of the awards for outstanding contribution in two categories—individual cover agents and cover agent groups. The Albion FFA—led by President Ed Fry with five enrollments, 7 plots, and 174 acres—won the top award with 46 enrollments and 936 acres. The St. Edward Chapter, winner of the first place award a year earlier, placed second.

In addition to sponsoring Acres for Wildlife the Nebraska Game and Parks Commission cooperates in the Nebraska FFA Association's wildlife conservation speaking contest. Local and district contests are held to eventually determine the winner at the state FFA convention. Prizes in the state contest are first, $100; second, $50.00; third, $30.00; and fourth, $20.00.

St. Edward Advisor Ray Becker and his members found a nest in their shelter.

If you think every Marine learns to handle a rifle, you're right. Nobody likes to fight, but somebody has to know how. So we look for men who can master basic infantry skills as part of their recruit training. A Marine quickly learns that he and his rifle are *one*. And that together, there is no better weapon in the world. **But if you think that's all he learns, you're wrong.** After recruit training, most Marines go on to other fields and other skills. And today a qualified man can *choose* the direction his training will take him before he enlists. If you're interested, say, in cars and motors, we can offer professional training in that field. If you've always wanted to work on airplanes, we've got programs in Aircraft Maintenance and Aviation Technology. Computers? Yes. Electronics? Yes. We've even got a program in Food Services. **We're looking for a few good men, to learn good jobs.** Think about it. Hard. If you've got what it takes, you can be a United States Marine *and* start a career in the field of your choice. If that sounds like the best offer you've heard from anybody, you're right.

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FFA in Action

BEAUTIFICATION

A Smash Up

FFA members used trailers, trucks, or wagons to haul junk cars to a central point for crushing and hauling away.

The change in Colo, Iowa, really began about a year ago. The Colo FFA Chapter journeyed to Lake Okiboji for its annual vacation and planning of a trip for the next year. They decided to depart from the usual livestock and farming topics and chose rural development as their theme.

Although Colo's 1970 population showed a slight increase from 1960, its business community and general morale has suffered. Colo's existing businesses had lost trade, and begun a downhill slide. Empty buildings replaced stores and businesses.

Colo's doctor's and dentist's offices remained empty since these people passed away. Realizing that their community must be improved if these positions were to be filled, the Colo FFA Chapter set their goals and plans for improvement.

One major goal was to get Colo on the governor's list of Better Business Bureau towns. The towns on it are recommended as having the facilities and environment desireable for a new facility and the employees which will accompany it. As a result of the FFA's efforts, this goal has now been reached.

Another goal of the Colo Chapter and Advisor Lee Halverson was to get the community together—farmers and townspeople alike.

One major project was the crushing of junked autos in the community. FFA members spent their free time after school and on Saturdays hauling the junked cars from both town and farm to a central crushing location. Approximately 230 cars were crushed. On the day of the crushing Governor Robert Ray and other state officials visited Colo to witness what had been done, giving Colo state-wide publicity.

Another major program was the opening of a youth center to give the community young people something to do and a place to do it. Cooperation of the whole community, one of their goals, was necessary for the building of the youth center. The FFA visited a meeting of every organization in town and got the support of each.

Adults of the area helped with the work directly, such as the plumbing and electrical work. The youth center was set up in the upstairs of an older building on Main Street. The chapter members sometimes worked until the early morning hours to get the center in shape. It now boasts a pool table, pinball machine, ping-pong table, and serves food and soft drinks. Card tables were added for the convenience of senior citizens. Although they have been slow in coming, Advisor Halverson says more have started coming recently.

Profits are used to hire a recent Colo graduate to keep order in the center and keep it clean.

The youth center opened on the same day as the car crushing. A spaghetti supper was also sponsored by the chapter, making it a rather long, worthwhile day for the Colo FFA members.

Approximately half the town attended the supper. This was a far larger figure than at previous Colo dinners of this type. Governor Ray also made a day of it, and ended up in a rousing game of ping-pong at the youth center.

The Colo FFA has also carried out a campaign to put numbers on Colo's houses, and has hired a contractor to grub out unsightly stumps from trees which have been cut. These projects have also helped Colo's appearance. *(John Carlson)*

RECREATION

In A Stew

In the fall of the year after the first frost and the leaves have fallen, the members of the Jackson, Missouri, Chapter begin to ask each other, "When are we going to have our Mulligan?"

The Mulligan has become an annual chapter affair. "I think I cooked my first one in the fall of 1955 and each year we perfected it some until today. We think our recipe is just right. At least we eat about 30 gallons every time."

The chapter has a list of ingredients and each member brings one thing that goes into the stew. They decide in advance where to go but Huckstep's Spring seems to be the favorite spot.

"I take a few boys to help and go out with all the ingredients: pans, knives, bowls, forks, crackers, pop. We pour gallons of spring water in the 30-gallon iron kettle and start the fire, put in the meat and let'er cook. Vegetables

(Continued on Next Page)

Photo Contest for FFA Members

DO you like to take pictures? Here is your chance to enter an FFA photo contest sponsored by *The National FUTURE FARMER*.

Open to all FFA members, the entries to the contest must reflect the theme of "FFA members at play." Photos may illustrate a chapter, school, family, or individual activity, but must show member participation or FFA identification in the picture.

Photos can be black and white or color prints (at least 3 x 5 inches in size, 35 mm slides, or 2¼ x 2¼ transparencies. You may enter a maximum three pictures and must include a brief description (50 words or less) about each picture—include names, activity, chapter, and any other pertinent information.

Cash prizes will be awarded for the top five photographs received, plus recognition in the April-May, 1974 issue. Prizes are: $25.00 for first place; $20.00 for second; $15.00 for third; $10.00 for fourth; and $5.00 for fifth. Prizes, however, are limited to one per contestant.

Black and white and color pictures will be judged jointly with no preference to color by the magazine staff. Their decision will be final. The photos will *not* be returned and become the property of *The National FUTURE FARMER*.

Entries must be postmarked by February 20, 1974, and received no later than February 25, 1974. Please include your name and complete address with your entry. So come on, get your camera shutter snapping, and send in your photographs of "FFA members at play."

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FFA BUMPER STRIPS AND LITTERBAGS

Check with your advisor about ordering a supply of these and other items for your chapter to use during National FFA WEEK. Chapters were mailed order details.

FFA JOKE BOOK

A collection of the escapades and antics of one of FFA's funniest members, "Charlie, the Greenhand." Plus other jokes that have appeared in *The National FUTURE FARMER*.

For your copy, send 50 cents with your name and address to: Joke Book, *The National FUTURE FARMER*, P. O. Box 15130, Alexandria, Virginia 22309.

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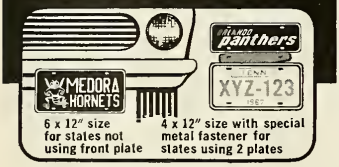

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FFA in Action

(Continued from Page 53)

are added according to cooking time. In four hours the stew is done. Then we let it cool for at least a half hour. If not, we have many burned tongues. We always have eight or ten dads, and one of them will dip and pour."

After eating, the members play a very complicated game that they invented. They choose sides in two groups. One group goes off through the woods and fields and hides. Their leader comes back and draws a map on the ground which tells their hiding spot. The group around the fire runs off to find them. When they are found each one grabs a member of the opposing group and wrestles him to the ground (or tries).

During this time the dads sit around the fire and talk. The Greenhands clean up. *(William H. Davault, Advisor)*

Western Tourists

Twelve members of the North Central Chapter in Morrowville, Kansas, and Advisor Garry L. Peterson traveled west for their summer tour.

Starting point of the trip was in Colorado Springs where they toured the zoo, Garden of the Gods, Will Rogers Shrine, Seven Falls, and Pikes Peak. Due to the expense there, they moved south to Monte Vista, Colorado. At Robert Shown's Columbia Sheep Ranch the FFA'ers had a tremendous experience. The ranch's main crops were potatoes, some lettuce, and peas. One of the hired men took the group with him as he did his daily work.

They toured Pleasant Western Lumber, Inc. which is one of the top ten saw mills in the nation. Also at Monte Vista they visited the Rio Vista Feed lots where the cattle ration contained alfalfa hay with straw added to control bloat, whole corn, and potato pulp which came from the starch factory.

That night the advisor of Monte Vista, Colorado, FFA took the Kansans to the high country where they camped out and fixed their breakfast.

After Colorado the group went to Cimmeron, New Mexico, and then back to Dodge City, Kansas, to tour the old town and the vocational technical school. In Hutchinson, Kansas, they toured the nation's longest elevator.

The group was gone five days and covered 1,700 miles on their tour.

Music Makers

A group of New Ulm, Minnesota, FFA members are continuing the tradition of having a German polka band in the chapter. They play at many events in the area and wear official FFA dress.

LEADERSHIP

Group Lessons

The Red Bluff, California, Chapter attended a leadership training program along with other chapters in their area.

Chapter groups were divided up for different group meetings each of which was conducted by various chapters. Topics were: How can chapters help new students in establishing a good project; How can chapters get more participation in local parliamentary procedure and public speaking contests; How can we increase FFA membership and participation; How can we improve relationship between FFA and other clubs and departments; What is the proper procedure when applying for a job or club office.

After the meetings were over, the Hayfork Chapter put on a banquet as an example of how to put on a successful one. *(Steve Montandon, Reporter)*

INTERNATIONAL

FFA-FFK Join Hands

During the past academic year seven FFA chapters joined in a brother to brother chapter program with Future Farmers of Korea (FFK). The Minnesota chapters with "brother" chapters in Korea are Montevideo, Freeborn, Hills, Eagle Bend, Slayton, Belgrade, Byron, and Stillwater.

With a strong vocational agriculture system underway in Korea, the National Association of the FFK was inaugurated in May of 1972. The American counterpart numbers over 150 chapters.

Largely responsible for the development of the FFA-FFK brother program are: Dr. Milo Peterson, of the agriculture education staff at the University of Minnesota; Advisor Lambert Schilling, a vocational agriculture teacher from Frazee; and their agriculture counterparts Kim, Sung Soo; and Bong, Hae Kyun.

Cooperating in the program, the

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Minnesota FFA Association also shipped 62 official FFA jackets and overseas FFA caps to the FFK. These jackets and caps were previously worn by the Minnesota FFA band and chorus. Several items—including banners and advisors jackets—were sent courtesy of the National FFA Organization. In addition, the Good Thunder, Amboy, Detroit Lakes, Frazee, Faribault, Crosby Ironton, Cyrus, St. James, and Bertha Hewitt Chapters shipped books and FFA materials which were distributed to the Korean chapters.

Dressed Up Visitor

Lebanon Daily News Photo

Dale Maulfair, right, president of Northern Lebanon, Pennsylvania, FFA and other chapter representatives present an FFA jacket to exchangee, Ulrich Geissler, second from left, of Germany. His visit was coordinated through the National FFA Organization.

COMPETITION

New Livestock Awards

Separate proficiency awards will be available in 1974 for FFA members engaged in beef, swine, or sheep production as a result of a recent decision by the FFA Board of Directors and Foundation Trustees. Prior to the creation of the beef, swine, and sheep proficiency awards, members with livestock production programs were recognized under an all-inclusive Livestock Production Proficiency award. A general Livestock Production award continues to be available for members engaged in combinations of beef, swine, or sheep production and for members engaged in the production of horses, mink, rabbits, and other livestock.

The awards in specialized areas of livestock production are to be funded as special projects of the National FFA Foundation.

Sperry New Holland, Lancaster, Pennsylvania, and the NASCO Division of Weatherby NASCO, Fort Atkinson, Wisconsin, have joined forces to cosponsor the new FFA Beef Production Proficiency award program.

Sperry New Holland is a manufacturer of farm machinery and NASCO is a mail order supplier of agricultural and educational materials. The Beef Production Proficiency award which the companies will co-sponsor will be one of 18 FFA proficiency awards in 1974 recognizing achievement in activities leading to careers in agriculture.

Beginner's Success

Last year, after twelve years of building and developing an agriculture program, Phillipsburg High School in New Jersey, received its charter as an FFA chapter.

Throughout the first year as a chapter, the membership grew to 40 very interested and active members. The highlight of the year's activities was the sale of $1,200 worth of bedding plants produced in a new 800-square-foot, fiberglass greenhouse erected by the membership. The money raised from this project helped buy their FFA "paraphernalia."

In the summer the dairy judging team placed third in state competition. One of the team members placed third individually and went on to the regionals. Then to round up the season, they had a family picnic with softball, swimming, and lots of sweet corn.

When school resumed this fall, plans were made to attend the state FFA fall judging contest held at Rutgers University. Everyone worked hard and their efforts paid off. Out of three teams entered, the livestock team placed fourth, the weeds team placed third (with second highest individual), and the fruits and vegetables team placed first (with first and third place individuals).

The chapter is currently involved in a BOAC project to provide a small park and nature trail for use and study by elementary students in the community. *(Jack Harrison, Reporter)*

(Continued on Next Page)

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Official FFA Calendars are a perfect way to say Season's Greetings.

Every FFA member can get his own supply—and one for himself. Be sure Dad has one on his desk. And put a Home and Office style FFA Calendar in the kitchen for Mom. Maybe even put a big Poster style in the barn.

Get some of the new Wallet style calendars to pass out to your friends or include in Holiday mail.

These are sharp looking, quality Calendars at a price you can afford.

Chapter's should get in an order for calendars to distribute in the community, too. At the bank, fire station, post office, county court house, elevator, veterinarian's office, school library, or principal's office. Encourage your chapter to order now.

PLEASE SEND ME:

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Official FFA Calendar Department
P. O. Box 15130
Alexandria, Virginia 22309

FFA in Action

(Continued from Page 55)

CIVIC ACTIVITIES

Community Organizers

Worship together in beautiful sunshine was the beginning of a great community July 4th celebration in Sunbury, Ohio. The entire holiday festivities were sponsored by the FFA and FHA chapters for the community.

A community worship service was held at the high school football stadium and the service was conducted by members of the Big Walnut FFA and FHA Chapters. Tom Barrington, former Ohio State football standout, was the speaker at the service which also included anthems by the Sunbury Community Chorus. The wonderful sunny day fit in completely with the holiday theme "Sunshine, Lollipops, and Roses."

The festivities also included a queen contest, talent show, parade, chicken barbecue, art and flower shows, sewing and baking contests, garden tractor pull, tractor rodeo, concessions, flea market, and fireworks.

Rodeo Operators

The annual Animas, New Mexico, FFA rodeo and barbecue is an event which generates citizen involvement.

The barbecue, prepared by Rusty Walters, was served both at noon and in the evening after the rodeo. It received many compliments from hungry spectators and rodeo contestants.

The rodeo started with the senior calf roping. Other events included step-down roping, senior ribbon roping, junior ribbon roping, barrel racing, a group flag race, and the rescue race.

The father and daughter or son and mother ribbon roping was won by Clyde and Toy Yarbrough, with second place going to Clyde and Twyla Yarbrough, and third place to Rhea and Sonny David. Other features were the cowhide race, boy's team roping, and calf riding, the final event.

Rodeo activities ended with the presentation of buckles to all-around boy and girl.

"It was a toss-up whether I came here or combine my beans. I tossed seven times."

Festival Helpers

Participation in the community's Fourth of July Festival is a regular thing for Benson, Arizona, FFA.

The day usually begins wiith the loud "boom" from a cannon, which helps to awaken the town, followed by a pancake breakfast served by a service club. A parade winds through Benson around mid-morning, ending at the school grounds where organizations sell food or art objects. The day ends with a "rock dance" at school.

This year the Benson Chapter's newly elected Sweetheart Gale Gavin won the trophy for the "Best Single Mounted Entry" in the parade.

Members of the chapter operated a food concession stand in the booth area and made enough to finance chapter activities for the coming year.

And as a community service project, the chapter members also volunteered to run the "rock dance" in the evening. *(Lou Burleson, Advisor)*

BICENTENNIAL

Building Rebuilders

George McGovern, South Dakota's senior senator, came to Geddes, South Dakota, August 25, 1973. Senator McGovern was invited to be guest speaker at the 2nd annual County Historical and Restoration Society banquet.

The money raised from this banquet will be given to the Geddes FFA Chapter to continue their work on the restoration of the original Papineau Trading Post building.

The Papineau Trading Post building is one of the oldest existing wooden structures in South Dakota. Part of this building is the original hand hewn structure inhabited by a man named Papineau. This settler was one of the first white residents of South Dakota.

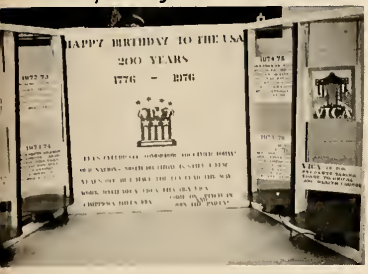
In the summer of 1972 the trading post building was donated to Geddes by an area farmer, Bernard Knudson. The building was moved to Geddes to be restored and preserved. The Geddes FFA Chapter restored and preserved the outside of the structure during the 1972-73 school year as part of their Building Our American Communities (BOAC) project. The money for this work was a $500 grant from the South Dakota Department of Agriculture and $300 from the local historical and restoration society.

At the banquet the Geddes Polka Dots, an FFA band made up of junior class members played for entertainment.

Geddes has a population of 312 and has 88 in the school. The FFA has 42 members.

Birthday Booth

The Chippewa Hills, Michigan, Chapter compiled this exhibit describing the cooperation of all vocational student organizations in celebrating America's birthday during the Bicentennial era.



HONORS

A Fair Entry

Ricky Jennings, 17-year-old member of Rigby, Idaho, FFA, harvested crops from his three-acre garden, prepared and exhibited them at area fairs.

Ricky had 30 different kinds of squash entered in the county fair and received 26 blue ribbons and 4 red ribbons. He also had 15 different kinds of cucumbers winning 13 blues and 2 reds. He entered 8 different kinds of tomatoes, 5 different kinds of pumpkins, and 8 different kinds of beans. And he displayed white onions, yellow onions, horseradish, green peppers, dill, parsley, chives, swiss chard, sweet corn, carrots, brussel sprouts, red beets, rhubarb, and transparent apples.

There could have been even more entries if Rick's dairy calves had not gotten out of their pens and ate some corn, some squash, and rutabagas.

At the Jefferson County Fair, Ricky received the crops trophy for the most and best display of crops.

Just after the county fair, Ricky entered a state fair with a similar array of vegetable crops. *(Joe Bodell, Advisor)*

"Potential" Farmers

Hoping to pass on the knowledge of today's farmers to tomorrow's farmers, the Stockton Production Credit Association of Stockton, California, set up a Potential Future Farmer award that is new and different.

"This award is made to the senior student who has demonstrated," says Roy McPhee, general manager of the Stockton Production Credit Association, "the ability to achieve in production agriculture and who shows the greatest initiative, drive, diligence, and realistic outlook that gives promise of him eventually being in production farming." It is not for the student who has already received many honors.

The students to be considered for the award are recommended by the agricultural instructors at each of the schools and then selected by the PCA. Fourteen were honored this year.

The award winners are given a Potential Future Farmer certificate and taken on an agriculture air tour the length of the Sacramento Valley to Chico and south in the San Joaquin Valley to Fresno. *(M. L. Elam)*

PUBLIC RELATIONS

Front and Back

The chapter of Adams Central High School in Monroe, Indiana, has built and put up a large sign along busy state Highway 124, on the west outskirts of Monroe. As you go into the town the sign reads, "Adams Central FFA Welcomes You to the Monroe Community." As you leave the other side of the sign reads, "Come Again."

This good-will builder has attracted a lot of attention and favorable comments. The sign has helped them inform the public about the FFA chapter.

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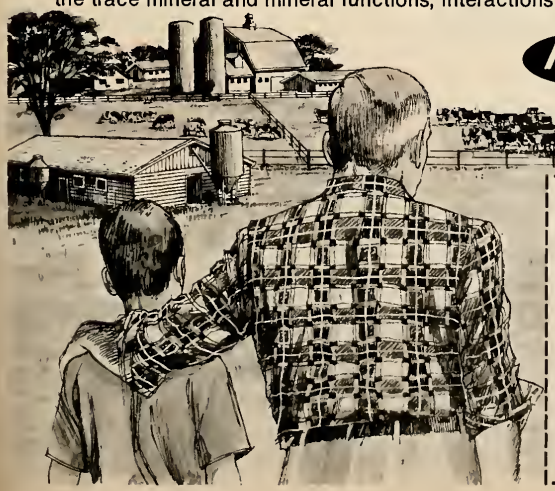

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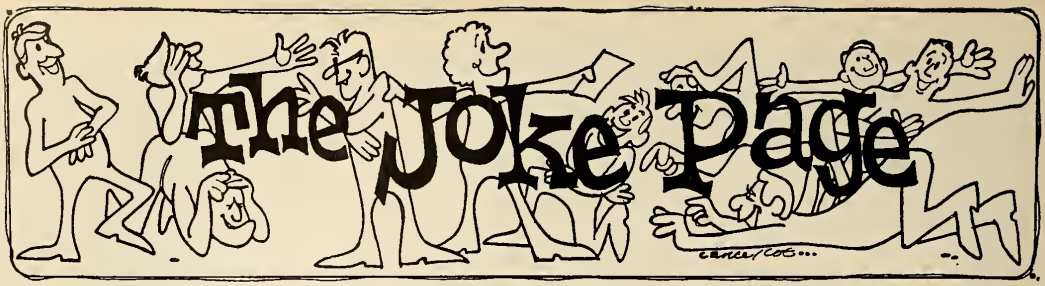


Teacher: *"What did Paul Revere say at the end of his ride?"*
Student: *"Whoa."*

Lisa Linhart
Karnes City, Texas

Two Cub Scouts, whose younger brother had fallen into the lake, rushed home crying to mother.
"We're trying to give him artificial respiration," one of them sobbed, *"but he keeps getting up and walking away!"*

Phillip Manning
Cerro Gordo, North Carolina

Teacher: *"Robert, how do you know this skeleton is a female?"*
Robert: *"Because its mouth is open."*

David Harvey
Burkeville, Texas

A farmer once called his cow Zephyr,
She seemed a friendly heifer.
The farmer drew near,
She kicked off his ear,
Which made him considerably deafer.

Mark Shoenrock
Fairbury, Nebraska

To the inventor of the zero: Thanks for nothing!

Wendy Gronewald
Madelia, Minnesota

The police sent out pictures of an escaped convict in six different poses. A few days later they received the following wire from a small town constable. *"Have captured five of them and am on the trail of the sixth."*

Denis Abing
Lancaster, Wisconsin

Bob: *"What do you call a cow that doesn't give milk?"*
Ted: *"I don't know."*
Bob: *"A milk dud."*

Dean Bailey
Paris, Illinois

An optimist is a person who thinks he can break up a traffic jam by blowing his horn.

Don Glaus
Chaffee, Missouri

Ray: *"Hey, Buck, are you still going with the printer's daughter?"*
Buck: *"No, I didn't like her type."*

Richard Frautschi
Wishek, North Dakota

Sandy: *"What do you call a monkey who steals potato chips?"*
Candy: *"A chipmunk."*

Jodee Stoffel
Holy Cross, Iowa

A man entered a fashionable restaurant and was shown to a table. When he was seated he proceeded to tie his napkin around his neck. Shocked, the manager called the waiter over. *"Be tactful,"* he said, *"but make him understand that that's not done here."*
Waiter nodded. Approaching the customer he said, *"Shave or a hair cut, Sir?"*

Ron Walker
Hillsboro, Ohio

Prisoner: *"I thought I was in here for the rest of my life."*
Guard: *"You are."*
Prisoner: *"How can I get any kind of rest hammering on rock?"*

I. Allen
San Jose, California

"Who signed the Declaration of Independence?" asked the teacher.
"I don't know and I don't care," muttered little Billy.
So the teacher saw Billy's father and told him what Billy had said.
"Listen, young man," roared Billy's father, *"if you signed it, admit it!"*

Timothy Teague
Fox, Arkansas

Bob: *"Are you taking the car out in this weather?"*
Bill: *"Yes. It's a driving rain."*

Larry Block
Waubay, South Dakota

Mother: *"Willie, why did you kick your little brother in the stomach?"*
Willie: *"He turned around."*

James H. Clune
Turlock, California

Tom: *"My sister fell down the stairs."*
Bill: *"Cellar?"*
Tom: *"No, she can be repaired."*

Tammy Garcia
San Jose, California

Professor: *"What does it mean when the barometer starts falling?"*
Sylvester: *"I guess it means that whoever nailed it up didn't do a good job."*

Steve Eninger
Everly, Iowa

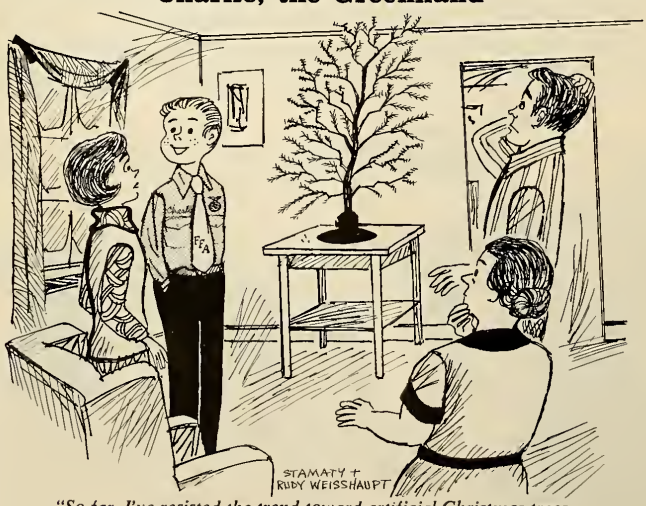
Andy: *"Is it bad luck to you if a black cat crosses your path?"*
Randy: *"Depends if you are a man or a mouse?"*

Stanley H. Chambers
Rougemont, North Carolina

Ed: *"What did the broom win?"*
Elmer: *"The sweepstakes."*

Alan Hall
Franklin, Indiana

Charlie, the Greenhand



"So far, I've resisted the trend toward artificial Christmas trees. I enjoy picking out just the perfectly shaped tree and bringing it home for the family to enjoy."

The National FUTURE FARMER *will pay $1.00 for each joke selected for publication on this page. Jokes must be submitted on post cards addressed to* The National FUTURE FARMER, *Alexandria, Virginia 22309. In case of duplication, payment will be for the first one received. Contributions cannot be acknowledged or returned.*

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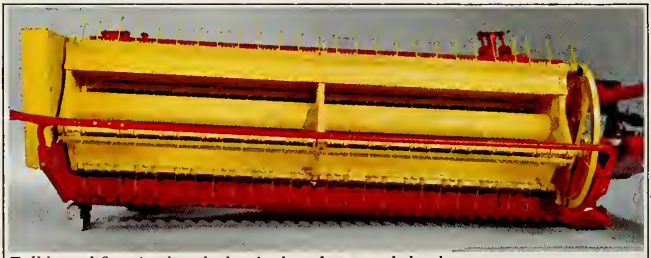

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